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As filed with the Securities and Exchange Commission on November 12, 2013

Registration No. 333-

**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION**
Washington, D.C. 20549

FORM S-3
REGISTRATION STATEMENT
UNDER
THE SECURITIES ACT OF 1933

ALKERMES PUBLIC LIMITED COMPANY

(Exact name of Registrant as specified in its charter)

Ireland

(State or other jurisdiction of incorporation or organization)

98-1007018

(I.R.S. Employer Identification Number)

**Connaught House
1 Burlington Road
Dublin 4, Ireland
+353-1-772-8000**

(Address, including zip code, and telephone number, including area code, of Registrant's principal executive offices)

**National Registered Agents, Inc.
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**Approximate date of commencement of proposed sale to the public:
From time to time after the effective date of this registration statement.**

If the only securities being registered on this Form are being offered pursuant to dividend or interest reinvestment plans, please check the following box:

If any of the securities being registered on this Form are to be offered on a delayed or continuous basis pursuant to Rule 415 under the Securities Act of 1933, other than securities offered only in connection with dividend or interest reinvestment plans, check the following box:

If this Form is filed to register additional securities for an offering pursuant to Rule 462(b) under the Securities Act, please check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

If this Form is a post-effective amendment filed pursuant to Rule 462(c) under the Securities Act, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

If this Form is a registration statement pursuant to General Instruction I.D. or a post-effective amendment thereto that shall become effective upon filing with the Commission pursuant to Rule 462(e) under the Securities Act, check the following box.

If this Form is a post-effective amendment to a registration statement filed pursuant to General Instruction I.D. filed to register additional securities or additional classes of securities pursuant to Rule 413(b) under the Securities Act, check the following box.

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, or a smaller reporting company. See the definitions of "large accelerated filer," "accelerated filer" and "smaller reporting company" in Rule 12b-2 of the Exchange Act.

CALCULATION OF REGISTRATION FEE

Title of Each Class of Securities to be Registered	Amount to be Registered / Proposed Maximum Offering Price Per Unit / Proposed Maximum Aggregate Offering Price / Amount of Registration Fee(1)
Ordinary Shares, par value \$0.01 per share	
Preferred Shares, par value \$0.01 per share	
Debt Securities	

- (1) An unspecified aggregate initial offering price and number of securities of each class is being registered as may from time to time be sold at unspecified prices. Separate consideration may or may not be received for securities that are issuable on exercise, conversion or exchange of other securities. The registrant is relying on Rule 456(b) and Rule 457(r) under the Securities Act of 1933, as amended, to defer payment of all of the registration fee.
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Alkermes Public Limited Company

**Ordinary Shares
Preferred Shares
Debt Securities**

By this prospectus, we or selling security holders may offer and sell from time to time the securities described in this prospectus separately or together in any combination. Specific terms of any securities to be offered will be provided in a supplement to this prospectus. You should read this prospectus and any supplement carefully before you invest. A supplement may also add to, update, supplement or clarify information contained in this prospectus.

Unless stated otherwise in a prospectus supplement, none of these securities will be listed on any securities exchange. Our ordinary shares are listed on the NASDAQ Global Select Stock Market (the "NASDAQ") under the symbol ALKS.

We may offer and sell these securities to or through one or more agents, underwriters, dealers or other third parties or directly to one or more purchasers on a continuous or delayed basis. Selling security holders may offer and sell their securities from time to time on terms described in the applicable prospectus supplement.

Investing in our securities involves risks. You should carefully consider the risks described under "Risk Factors" on page 1 of this prospectus, as well as the other information contained or incorporated by reference in this prospectus and the applicable prospectus supplement, before making a decision to invest in our securities.

Neither the Securities and Exchange Commission nor any state securities commission has approved or disapproved of these securities or determined if this prospectus is truthful or complete. Any representation to the contrary is a criminal offense.

The date of this prospectus is November 12, 2013.

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We are responsible for the information contained and incorporated by reference in this prospectus, in any accompanying prospectus supplement, and in any related free writing prospectus we prepare or authorize. We have not authorized anyone to give you any other information, and we take no responsibility for any other information that others may give you. If you are in a jurisdiction where offers to sell, or solicitations of offers to purchase, the securities offered by this document are unlawful, or if you are a person to whom it is unlawful to direct these types of activities, then the offer presented in this document does not extend to you. The information contained in this document speaks only as of the date of this document, unless the information specifically indicates that another date applies.

Unless we have indicated otherwise, references in this prospectus to "Alkermes," "we," "us," "our" and similar terms refer to Alkermes Public Limited Company and its subsidiaries.

ABOUT THIS PROSPECTUS

This prospectus is part of an automatic shelf registration statement that we filed with the Securities and Exchange Commission (the "SEC") as a "well-known seasoned issuer" as defined in Rule 405 under the Securities Act of 1933, as amended (the "Securities Act"). We may offer the securities described in this prospectus from time to time in one or more offerings. This prospectus only provides you with a general description of the securities to be offered. Each time we sell securities pursuant to this prospectus, we will describe in a prospectus supplement, which will be delivered with this prospectus, specific information about the offering and the terms of the particular securities to be offered. The applicable prospectus supplement may also add, update or change the information contained in this prospectus. If there is any inconsistency between the information in this prospectus and any applicable prospectus supplement, you should rely on the information in the applicable prospectus supplement. You should carefully read both this prospectus and any applicable prospectus supplement, together with the additional information described under the heading "Where You Can Find More Information."

The registration statement of which this prospectus is a part, including the exhibits to the registration statement, provides additional information about us and the securities. Wherever references are made in this prospectus to information that will be included in a prospectus supplement, to the extent permitted by applicable law, rules or regulations, we may instead include such information or add, update or change the information contained in this prospectus by means of a post-effective amendment to the registration statement of which this prospectus is a part, through filings we make with the SEC that are incorporated by reference into this prospectus or by any other method as may then be permitted under applicable law, rules or regulations. The registration statement, including the exhibits to the registration statement and any post-effective amendment thereto, can be obtained from the SEC, as described under the heading "Where You Can Find More Information."

FORWARD-LOOKING STATEMENTS

This prospectus, including the documents incorporated by reference into this prospectus, includes "forward-looking statements" within the meaning of Section 27A of the Securities Act and Section 21E of the Securities Exchange Act of 1934, as amended (the "Exchange Act"). All statements, trend analyses and other information contained herein about the markets for the services and products and trends in revenue, as well as other statements identified by the use of forward-looking terminology, including "may," "will," "could," "should," "would," "expect," "anticipate," "continue," or the negative of these terms or other similar expressions, constitute forward-looking statements.

These forward-looking statements are based on estimates reflecting the best judgment of senior management. These forward-looking statements involve a number of risks and uncertainties that could cause actual results to differ materially from those suggested by the forward-looking statements. Forward-looking statements should therefore be considered in light of various important factors, including those set forth in this prospectus. Important factors that could cause actual results to differ materially from estimates or projections contained in the forward-looking statements include our expectations regarding our financial performance, including revenues, expenses, gross margins, liquidity, capital expenditures and income taxes; our expectations regarding the commercialization of our products; our expectations regarding our products, including the development, regulatory review (including expectations about regulatory approval and regulatory timelines) and therapeutic and commercial scope and potential of such products and the costs and expenses related thereto; our expectations regarding the initiation, timing and results of clinical trials of our products; our expectations regarding the competitive landscape, and changes therein, related to our products; our expectations regarding our collaborations and other significant agreements relating to our products; our expectations regarding the impact of new accounting pronouncements; our expectations regarding near-term changes in the nature of our market risk exposures or in management's objectives and

strategies with respect to managing such exposures; and our expectations regarding future capital requirements and capital expenditures and our ability to finance our operations and capital requirements; and other risk factors described under "*Risk Factors*" in this prospectus.

In light of these risks, uncertainties and assumptions, the forward-looking events and circumstances discussed in this prospectus may not occur and actual results could differ materially and adversely from those anticipated or implied in the forward-looking statements. These statements are based on information available to us on the date hereof, and we assume no obligation to update any such forward-looking statements.

Although we undertake no obligation to revise or update any forward-looking statements, whether as a result of new information, future events or otherwise, except as required by law, you are advised to consult any additional disclosures we make in our Annual Reports on Form 10-K, Quarterly Reports on Form 10-Q and Current Reports on Form 8-K, as each may be amended, filed with the SEC. See "Where You Can Find More Information."

ALKERMES PUBLIC LIMITED COMPANY

We are a fully integrated, global biopharmaceutical company, and we apply our scientific expertise and proprietary technologies to develop innovative medicines that improve patient outcomes. We have a diversified portfolio of more than 20 commercial drug products and a clinical pipeline of product candidates that address central nervous system disorders such as addiction, schizophrenia and depression. Headquartered in Dublin, Ireland, we have a research and development center in Waltham, Massachusetts; research and development and manufacturing facilities in Athlone, Ireland; and manufacturing facilities in Gainesville, Georgia and Wilmington, Ohio.

We leverage our formulation expertise and proprietary product platforms to develop, both with partners and on our own, innovative and competitively advantaged medications that can enhance patient outcomes in major therapeutic areas. We enter into select collaborations with pharmaceutical and biotechnology companies to develop significant new product candidates, based on existing drugs and incorporating our proprietary product platforms. In addition, we apply our innovative formulation expertise and drug development capabilities to create our own new, proprietary pharmaceutical products.

We were incorporated in Ireland on May 4, 2011. On May 21, 2013, we changed our fiscal year-end from March 31 to December 31. Our corporate headquarters are located at Connaught House, 1 Burlington Road, Dublin 4, Ireland, and our telephone number is +353 1 772 8000. Our website address is www.alkermes.com. Information that is contained in, and can be accessed through, our website is not incorporated into, and does not form a part of, this prospectus.

RISK FACTORS

You should carefully consider, among other things, the matters discussed under "Risk Factors" in Part I, Item 1A of our Annual Report on Form 10-K, as amended, for the fiscal year ended March 31, 2013 and in other documents that we include or incorporate by reference into this prospectus.

USE OF PROCEEDS

Unless the applicable prospectus supplement indicates otherwise, we intend to use net proceeds from the sale of the securities offered hereby for general corporate purposes, including to refinance or to repay outstanding indebtedness if so specified in the applicable prospectus supplement. We may temporarily invest funds that are not immediately needed for these purposes in short-term marketable securities.

Unless the applicable prospectus supplement indicates otherwise, we will not receive any proceeds from the sale of securities by selling security holders.

RATIO OF EARNINGS TO FIXED CHARGES

Our ratio of earnings to fixed charges for the six months ended September 30, 2013 and each of the five years in the period ended March 31, 2013 is set forth below. For the purpose of computing these ratios, "earnings" consists of income before provision for income taxes and cumulative effect of a change in accounting principles, plus fixed charges (excluding capitalized interest). "Fixed charges" consists of interest expense (which includes amortization of debt issue costs), capitalized interest and a portion of rent expense representative of the interest factor, which we estimate to be 33%.

We do not have any preferred shares outstanding as of September 30, 2013. Our ratio of earnings to combined fixed charges and preferred dividends for any given period is equivalent to our ratio of earnings to fixed charges.

	Ratio of Earnings to Fixed Charges					
	Year Ended March 31,					Six Months Ended 9/30/13
	2009	2010	2011	2012	2013	
Ratio of Earnings to Fixed Charges	8.43	*	*	*	1.70	1.33

* Due to our losses for the years ended March 31, 2010, 2011 and 2012, the ratio coverage was less than 1:1. To achieve a coverage ratio of 1:1, we would have had to generate additional earnings of \$44.7 million, \$46.5 million and \$114.4 million for the years ended March 31, 2010, 2011 and 2012, respectively.

DESCRIPTION OF ORDINARY SHARES AND PREFERRED SHARES

The following description of our ordinary shares and preferred shares is a summary. This summary does not purport to be complete and is qualified in its entirety by reference to the Irish Companies Acts of 1963 to 2012 (the "Companies Acts"), and the complete text of our memorandum and articles of association included as exhibits to our registration statement. You should read those laws and documents carefully.

Capital Structure

Authorized and Issued Share Capital

Our authorized share capital is €40,000 and \$5,000,000, of which 40,000 are ordinary shares with a nominal value of €1.00 each, 450,000,000 are ordinary shares with a nominal value of \$0.01 each and 50,000,000 are undesignated preferred shares with a nominal value of \$0.01 each. As of November 8, 2013, there were 136,911,085 ordinary shares outstanding. There are no preferred shares currently outstanding. All issued shares are fully paid-up and non-assessable.

We may issue shares subject to the maximum authorized share capital contained in our memorandum and articles of association. Our authorized share capital may be increased or reduced by a resolution approved by a simple majority of the votes of a company's shareholders cast at a general meeting (referred to under Irish law as an "ordinary resolution"). As a matter of Irish company law, the directors of a company may issue new ordinary or preferred shares without shareholder approval once authorized to do so by the articles of association or by an ordinary resolution adopted by the shareholders at a general meeting. The authorization may be granted for a maximum period of five years, after which it must be renewed by the shareholders by an ordinary resolution. Our articles of association authorize our board of directors to issue new ordinary or preferred shares out of the current authorized share capital without shareholder approval for a period of five years from the date such articles of association were approved by our shareholders, which occurred on September 15, 2011.

The rights and restrictions applicable to our ordinary shares are prescribed in our articles of association. Our articles of association permit the board of directors, without shareholder approval, to determine the terms of the preferred shares issued by us. Our board of directors is authorized, without obtaining any vote or consent of the holders of any class or series of shares, unless expressly provided by the terms of that class or series of shares, to provide from time to time for the issuance of other classes or series of preferred shares and to establish the characteristics of each class or series, including the number of shares, designations, relative voting rights, dividend rights, liquidation and other rights,

redemption, repurchase or exchange rights and any other preferences and relative, participating, optional or other rights and limitations not inconsistent with applicable law.

Irish law does not recognize fractional shares held of record. Accordingly, our articles of association do not provide for the issuance of fractional shares, and our official Irish register of members will not reflect any fractional shares.

Preemption Rights, Share Warrants and Share Options

Under Irish law, certain statutory preemption rights apply automatically in favor of shareholders where shares are to be issued for cash. We have opted out of these preemption rights in our articles of association as permitted under Irish company law. However, Irish law requires this opt-out to be renewed at least every five years by a resolution approved by not less than 75% of the votes of our shareholders cast at a general meeting (referred to under Irish law as a "special resolution"). If the opt-out is not renewed, shares issued for cash must be offered to our existing shareholders on a pro rata basis to their existing shareholding before the shares can be issued to any new shareholders. Our opt-out is scheduled to expire September 15, 2016 unless it is renewed prior to that date. The statutory preemption rights do not apply where shares are issued for non-cash consideration (such as in a stock-for-stock acquisition) and do not apply to the issue of non-equity shares (that is, shares that have the right to participate only up to a specified amount in any income or capital distribution) or where shares are issued pursuant to an employee stock option or similar equity plan.

Our articles of association provide that, subject to any shareholder approval requirement under any laws, regulations or the rules of any stock exchange to which we are subject, the board is authorized, from time to time, in its discretion, to grant such persons, for such periods and upon such terms as the board deems advisable, options to purchase such number of shares of any class or classes or of any series of any class as the board may deem advisable, and to cause warrants or other appropriate instruments evidencing such options to be issued. The Companies Acts provide that directors may issue share warrants or options without shareholder approval once authorized to do so by the articles of association or an ordinary resolution of shareholders. We are subject to the rules of NASDAQ and the Internal Revenue Code of 1986, as amended, that require shareholder approval of certain equity plan and share issuances. Our board of directors may issue shares upon exercise of warrants or options without shareholder approval or authorization (up to the relevant authorized share capital limit).

Dividends

Under Irish law, dividends and distributions may only be made from distributable reserves. Distributable reserves generally means accumulated realized profits less accumulated realized losses and includes reserves created by way of capital reduction. In addition, no distribution or dividend may be made unless our net assets are equal to, or in excess of, the aggregate of our called up share capital plus undistributable reserves and the distribution does not reduce our net assets below such aggregate. Undistributable reserves include the share premium account, the capital redemption reserve fund and the amount by which our accumulated unrealized profits, so far as not previously utilized by any capitalization, exceed our accumulated unrealized losses, so far as not previously written off in a reduction or reorganization of capital.

The determination as to whether or not we have sufficient distributable reserves to fund a dividend must be made by reference to our "relevant accounts." The "relevant accounts" will be either the last set of unconsolidated annual audited financial statements or other financial statements properly prepared in accordance with the Companies Acts, which give a "true and fair view" of our unconsolidated financial position and accord with accepted accounting practice. The relevant accounts must be filed in the Companies Registration Office (the official public registry for companies in Ireland).

Our articles of association authorize the board of directors to declare dividends to the extent they appear justified by profits without shareholder approval. The board of directors may also recommend a dividend to be approved and declared by the shareholders at a general meeting. The board of directors may direct that the payment be made by distribution of assets, shares or cash and no dividend issued may exceed the amount recommended by the directors. Dividends may be declared and paid in the form of cash or non-cash assets and may be paid in United States Dollars or any other currency.

Our board of directors may deduct from any dividend payable to any shareholder any amounts payable by such shareholder to us in relation to our shares.

The directors may also authorize us to issue shares with preferred rights to participate in dividends we declare. The holders of preferred shares may, depending on their terms, rank senior to our ordinary shares in terms of dividend rights and/or be entitled to claim arrears of a declared dividend out of subsequently declared dividends in priority to ordinary shareholders.

Share Repurchases, Redemptions and Conversions

Overview

Our articles of association provide that any ordinary share that Alkermes plc has agreed to acquire shall be deemed to be a redeemable share. Accordingly, for Irish company law purposes, our repurchase of ordinary shares will technically be effected as a redemption of those shares as described below under "*Our Repurchases and Redemptions*." If our articles of association did not contain such provision, our repurchases would be subject to many of the same rules that apply to purchases of our ordinary shares by subsidiaries described below under "*Purchases by Our Subsidiaries*" including the shareholder approval requirements described below and the requirement that any open-market purchases be effected on a "recognized stock exchange." Except where otherwise noted, references elsewhere in this prospectus to repurchasing or buying back our ordinary shares refer to our redemption of ordinary shares or our purchase or one of our subsidiary's purchase of ordinary shares, in each case in accordance with our articles of association and Irish company law as described below.

Our Repurchases and Redemptions

Under Irish law, a company may issue redeemable shares and redeem them out of distributable reserves or the proceeds of a new issue of shares for that purpose. Please see also "*Dividends*" and "*Risk Factors*." We may only issue redeemable shares if the nominal value of the issued share capital that is not redeemable is not less than 10% of the nominal value of our total issued share capital. All redeemable shares must also be fully-paid and the terms of redemption of the shares must provide for payment on redemption. Redeemable shares may, upon redemption, be canceled or held in treasury. Based on the provision of our articles described above, shareholder approval will not be required to redeem our shares.

We may also be given an additional general authority to purchase our own shares open-market which would take effect on the same terms and be subject to the same conditions as applicable to purchases by our subsidiaries as described below.

Our board of directors may also issue preferred shares that may be redeemed at our option or the option of the shareholder, depending on the terms of such preferred shares. Please see "*—Authorized and Issued Share Capital*" for additional information on preferred shares.

Under Irish law, repurchased and redeemed shares may be canceled or held as treasury shares. The nominal value of treasury shares held by us at any time must not exceed 10% of the nominal value of our issued share capital. We may not exercise any voting rights in respect of any shares held as treasury shares. Treasury shares may be canceled by us or re-issued subject to certain conditions.

Purchases by Our Subsidiaries

Under Irish law, an Irish or non-Irish subsidiary may purchase our shares either on-market or off-market. For one of our subsidiaries to make on-market purchases of our ordinary shares, our shareholders must provide general authorization for such purchase by way of ordinary resolution. However, as long as this general authority has been granted, no specific shareholder authority for a particular on-market purchase by a subsidiary of our ordinary shares is required. For an off-market purchase by one of our subsidiaries, the proposed purchase contract must be authorized by special resolution of the shareholders before the contract is entered into. The person whose shares are to be bought back cannot vote in favor of the special resolution and, for at least 21 days prior to the special resolution being passed, the purchase contract must be on display or must be available for inspection by shareholders at our registered office.

In order for one of our subsidiaries to make an on-market purchase of our shares, such shares must be purchased on a "recognized stock exchange." NASDAQ, on which our shares are listed, is specified as a recognized stock exchange for this purpose by Irish company law.

The number of shares held by our subsidiaries at any time will be included in any calculation of the permitted treasury share threshold of 10% of the nominal value of our issued share capital. While a subsidiary holds our shares, it cannot exercise any voting rights in respect of those shares. The acquisition of our shares by a subsidiary must be funded out of distributable reserves of the subsidiary.

Share Repurchase Program

Our share repurchase program authorizes us to repurchase up to \$215 million of our ordinary shares at the discretion of management from time to time in the open market or through privately negotiated transactions. The repurchase program has no set expiration date and may be suspended or discontinued at any time. As of September 30, 2013, we had purchased a total of 8,866,342 ordinary shares under this program at a cost of \$114,029,664.

As noted above, shareholder approval for such repurchases will not be required because a repurchase of our shares will be effected as a redemption pursuant to our articles of association.

Bonus Shares

Under our articles of association, the board may resolve to capitalize any amount credited to any reserve or fund available for distribution or our share premium account for issuance and distribution to shareholders as fully paid bonus shares on the same basis of entitlement as would apply in respect of a dividend distribution.

Lien on Shares, Calls on Shares and Forfeiture of Shares

Our articles of association provide that we will have a first and paramount lien on every share that is not a fully paid up share for all amounts payable at a fixed time or called in respect of that share. Subject to the terms of their allotment, directors may call for any unpaid amounts in respect of any shares to be paid, and if payment is not made, the shares may be forfeited. These provisions are standard inclusions in the articles of association of an Irish company limited by shares such as ours and will only be applicable to our shares that have not been fully paid up.

Consolidation and Division; Subdivision

Under our articles of association, we may, by ordinary resolution, consolidate and divide all or any of our share capital into shares of larger nominal value than our existing shares or subdivide our shares into smaller amounts than is fixed by our memorandum and articles of association.

Reduction of Share Capital

We may, by ordinary resolution, reduce our authorized share capital in any way. We also may, by special resolution and subject to confirmation by the Irish High Court, reduce or cancel our issued share capital in any way.

Annual Meetings of Shareholders

We are required to hold annual general meetings at intervals of no more than 15 months, provided that an annual general meeting is held in each calendar year following the first annual general meeting and no more than nine months after our fiscal year-end. Any annual general meeting may be held outside Ireland if a resolution so authorizing has been passed at the preceding annual general meeting.

Notice of an annual general meeting must be given to all our shareholders and to our auditors. Our articles of association provide for a minimum notice period of 21 days, which is the minimum permitted under Irish law.

The only matters which must, as a matter of Irish company law, be transacted at an annual general meeting are the presentation of the annual accounts, balance sheet and reports of the directors and auditors, the appointment of new auditors and the fixing of the auditor's remuneration (or delegation of same). If no resolution is made in respect of the reappointment of an existing auditor at an annual general meeting, the existing auditor will be deemed to have continued in office.

Extraordinary General Meetings of Shareholders

Extraordinary general meetings of our shareholders may be convened by: (i) the board of directors; (ii) at the request of shareholders holding not less than 10% of our paid up share capital carrying voting rights; or (iii) at the request of our auditors. Extraordinary general meetings are generally held for the purposes of approving shareholder resolutions as may be required from time to time. At any extraordinary general meeting only such business shall be conducted as is set forth in the notice thereof.

Notice of an extraordinary general meeting must be given to our shareholders and to our auditors. Under Irish law and our articles of association, the minimum notice periods are 21 days' notice in writing for an extraordinary general meeting to approve a special resolution and 14 days' notice in writing for any other extraordinary general meeting.

In the case of an extraordinary general meeting convened by our shareholders, the proposed purpose of the meeting must be set out in the requisition notice. Upon receipt of this required notice, the board of directors has 21 days to convene a meeting of our shareholders to vote on the matters set

out in the required notice. This meeting must be held within two months of the receipt of the requisition notice. If the board of directors does not convene the meeting within such 21-day period, the requisitioning shareholders, or any of them representing more than one half of the total voting rights of all of them, may themselves convene a meeting, which meeting must be held within three months of our receipt of the requisition notice.

If the board of directors becomes aware that our net assets are not greater than half of the amount of our called-up share capital, our directors must convene an extraordinary general meeting of our shareholders not later than 28 days from the date that they learn of this fact to consider how to address the situation.

Quorum for General Meetings

Our articles of association provide that no business shall be transacted at any general meeting unless a quorum is present. One or more shareholders present in person or by proxy holding not less than a majority of our issued and outstanding shares entitled to vote at the meeting in question constitute a quorum.

Voting

Our articles of association provide that the board or the chairman may determine the manner in which the poll is to be taken and the manner in which the votes are to be counted.

Every shareholder is entitled to one vote for each ordinary share that he or she holds as of the record date for the meeting. Voting rights may be exercised by shareholders registered in our share register as of the record date for the meeting or by a duly appointed proxy, which proxy need not be a shareholder. Where interests in shares are held by a nominee trust company, this company may exercise the rights of the beneficial holders on their behalf as their proxy. All proxies must be appointed in the manner prescribed by our articles of association, which permit shareholders to notify us of their proxy appointments electronically in such manner as may be approved by the board.

In accordance with our articles of association, our directors may from time to time authorize us to issue preferred shares. These preferred shares may have such voting rights as may be specified in the terms of such preferred shares (e.g., they may carry more votes per share than ordinary shares or may entitle their holders to a class vote on such matters as may be specified in the terms of the preferred shares). Treasury shares or shares of the Company that are held by our subsidiaries will not be entitled to be voted at general meetings of shareholders.

Irish company law requires special resolutions of the shareholders at a general meeting to approve certain matters. Examples of matters requiring special resolutions include:

- (a) amending our objects or memorandum of association;
- (b) amending our articles of association;
- (c) approving a change of our name;
- (d) authorizing the entering into of a guarantee or provision of security in connection with a loan, quasi-loan or credit transaction to a director or connected person;
- (e) opting out of preemption rights on the issuance of new shares;
- (f) our re-registration from a public limited company to a private company;
- (g) variation of class rights attaching to classes of shares (where the articles of association do not provide otherwise);
- (h) purchase of our own shares off-market;

- (i) reduction of issued share capital;
- (j) sanctioning a compromise/scheme of arrangement;
- (k) resolving that we be wound up by the Irish courts;
- (l) resolving in favor of a shareholders' voluntary winding-up;
- (m) re-designation of shares into different share classes; and
- (n) setting the re-issue price of treasury shares.

Variation of Rights Attaching to a Class or Series of Shares

Under our articles of association and the Companies Acts, any variation of class rights attaching to our issued shares must be approved by a special resolution of the shareholders of the affected class or with the consent in writing of the holders of three-quarters of all the votes of that class of shares.

The provisions of our articles of association relating to general meetings apply to general meetings of the holders of any class of shares except that the necessary quorum is determined by reference to the shares of the holders of the class. Accordingly, for general meetings of holders of a particular class of shares, a quorum consists of the holders present in person or by proxy representing at least one half of the issued shares of that class.

Inspection of Books and Records

Under Irish law, shareholders have the right to: (i) receive a copy of our memorandum and articles of association and any act of the Irish Government which alters our memorandum; (ii) inspect and obtain copies of our minutes of general meetings and resolutions; (iii) inspect and receive a copy of our register of shareholders, register of directors and secretaries, register of directors' interests and other statutory registers; (iv) receive copies of balance sheets and directors' and auditors' reports which have previously been sent to shareholders prior to an annual general meeting; and (v) receive balance sheets of any of our subsidiaries which have previously been sent to shareholders prior to an annual general meeting for the preceding ten years. Our auditors will also have the right to inspect all our books, records and vouchers. The auditors' report must be circulated to shareholders with our financial statements prepared in accordance with Irish law at least 21 days before the annual general meeting and must be read to the shareholders at our annual general meeting.

Acquisitions

An Irish public limited company may be acquired in a number of ways, including:

- (a) a court-approved scheme of arrangement under the Companies Acts. A scheme of arrangement with shareholders requires a court order from the Irish High Court and the approval of a majority in number representing 75% in value of the shareholders present and voting in person or by proxy at a meeting called to approve the scheme;
- (b) through a tender or takeover offer by a third party for all of our shares. Where the holders of 80% or more of our shares have accepted an offer for such shares, the remaining shareholders may also be statutorily required to transfer their shares. If the bidder does not exercise its "squeeze out" right, then the non-accepting shareholders also have a statutory right to require the bidder to acquire their shares on the same terms. If our shares were to be listed on the Irish Stock Exchange or another regulated stock exchange in the EU, this threshold would be increased to 90%; and
- (c) by way of a merger with a EU-incorporated company under the EU Cross-Border Mergers Directive 2005/56/EC. Such a merger must be approved by a special resolution of the

shareholders. If we are being merged with another EU company under the EU Cross-Border Mergers Directive 2005/56/EC and the consideration payable to our shareholders is not all in the form of cash, our shareholders may be entitled to require their shares to be acquired at fair value.

Irish law does not generally require shareholder approval for a sale, lease or exchange of all or substantially all of a company's property and assets.

Appraisal Rights

Generally, under Irish law, shareholders of an Irish company do not have dissenters' or appraisal rights. Under the European Communities (Cross-Border Mergers) Regulations 2008 governing the merger of an Irish company limited by shares such as we are and a company incorporated in the European Economic Area (the European Economic Area includes all member states of the EU (with the exception of Croatia) and Norway, Iceland and Liechtenstein), a shareholder: (i) who voted against the special resolution approving the merger; or (ii) of a company in which 90% of the shares are held by the other party to the merger, has the right to request that the company acquire its shares for cash at a price determined in accordance with the share exchange ratio set out in the merger agreement.

Disclosure of Interests in Shares

Under the Companies Acts, shareholders must notify us if, as a result of a transaction, the shareholder will become interested in 5% or more of our shares; or if as a result of a transaction a shareholder who was interested in more than 5% of our shares ceases to be so interested. Where a shareholder is interested in more than 5% of our shares, the shareholder must notify us of any alteration of his or her interest that brings his or her total holding through the nearest whole percentage number, whether an increase or a reduction. The relevant percentage figure is calculated by reference to the aggregate nominal value of the shares in which the shareholder is interested as a proportion of the entire nominal value of our issued share capital of (or any such class of share capital in issue). Where the percentage level of the shareholder's interest does not amount to a whole percentage this figure may be rounded down to the next whole number. We must be notified within five business days of the transaction or alteration of the shareholder's interests that gave rise to the notification requirement. If a shareholder fails to comply with these notification requirements, the shareholder's rights in respect of any shares it holds will not be enforceable, either directly or indirectly. However, such person may apply to the court to have the rights attaching to such shares reinstated.

In addition to these disclosure requirements, we may, under the Companies Acts, by notice in writing, require a person whom we know or have reasonable cause to believe to be, or at any time during the three years immediately preceding the date on which such notice is issued to have been, interested in shares comprised in our relevant share capital to: (i) indicate whether or not it is the case; and (ii) where such person holds or has during that time held an interest in our shares, to provide additional information, including the person's own past or present interests in our shares. If the recipient of the notice fails to respond within the reasonable time period specified in the notice, we may apply to court for an order directing that the affected shares be subject to certain restrictions, as prescribed by the Companies Acts, as follows:

- (a) any transfer of those shares or, in the case of unissued shares, any transfer of the right to be issued with shares and any issue of shares, shall be void;
- (b) no voting rights shall be exercisable in respect of those shares;
- (c) no further shares shall be issued in right of those shares or in pursuance of any offer made to the holder of those shares; and

- (d) no payment shall be made of any sums due from us on those shares, whether in respect of capital or otherwise.

The court may also order that shares subject to any of these restrictions be sold with the restrictions terminating upon the completion of the sale.

In the event that we are in an offer period pursuant to the Irish Takeover Rules made under the Irish Takeover Panel Act 1997, accelerated disclosure provisions apply for persons holding an interest in our securities of 1% or more.

Anti-Takeover Provisions

Irish Takeover Rules and Substantial Acquisition Rules

A transaction in which a third party seeks to acquire 30% or more of our voting rights will be governed by the Irish Takeover Panel Act 1997 and the Irish Takeover Rules made thereunder and will be regulated by the Irish Takeover Panel. The "General Principles" of the Irish Takeover Rules and certain important aspects of the Irish Takeover Rules are described below.

General Principles

The Irish Takeover Rules are built on the following General Principles which will apply to any transaction regulated by the Irish Takeover Panel:

- (a) in the event of an offer, all classes of shareholders of the target company should be afforded equivalent treatment and, if a person acquires control of a company, the other holders of securities must be protected;
- (b) the holders of securities in the target company must have sufficient time to allow them to make an informed decision regarding the offer;
- (c) the board of a company must act in the interests of the company as a whole. If the board of the target company advises the holders of securities as regards the offer it must advise on the effects of the implementation of the offer on employment, employment conditions and the locations of the target company's place of business;
- (d) false markets in the securities of the target company or any other company concerned by the offer must not be created;
- (e) a bidder can only announce an offer after ensuring that he or she can fulfill in full the consideration offered;
- (f) a target company may not be hindered longer than is reasonable by an offer for its securities. This is a recognition that an offer will disrupt the day-to-day running of a target company particularly if the offer is hostile and the board of the target company must divert its attention to resist the offer; and
- (g) a "substantial acquisition" of securities (whether such acquisition is to be effected by one transaction or a series of transactions) will only be allowed to take place at an acceptable speed and shall be subject to adequate and timely disclosure.

Mandatory Bid

Under certain circumstances, a person who acquires our shares may be required under the Irish Takeover Rules to make a mandatory cash offer for our remaining outstanding shares at a price not less than the highest price paid for the shares by the acquirer (or any parties acting in concert with the acquirer) during the previous twelve months. This mandatory bid requirement is triggered if an

acquisition of shares would increase the aggregate holding of an acquirer (including the holdings of any parties acting in concert with the acquirer) to shares representing 30% or more of our voting rights, unless the Irish Takeover Panel otherwise consents. An acquisition of shares by a person holding (together with its concert parties) shares representing between 30% and 50% of our voting rights would also trigger the mandatory bid requirement if, after giving effect to the acquisition, the percentage of the voting rights held by that person (together with its concert parties) would increase by 0.05% within a twelve-month period. Any person (excluding any parties acting in concert with the holder) holding shares representing more than 50% of the voting rights of a company is not subject to these mandatory offer requirements.

Voluntary Bid; Requirements to Make a Cash Offer and Minimum Price Requirements

If a person makes a voluntary offer to acquire our outstanding ordinary shares, the offer price must be no less than the highest price paid for our ordinary shares by the bidder or its concert parties during the three-month period prior to the commencement of the offer period. The Irish Takeover Panel has the power to extend the "look back" period to twelve months if the Irish Takeover Panel, taking into account the General Principles, believes it is appropriate to do so.

If the bidder or any of its concert parties has acquired our ordinary shares: (i) during the period of twelve months prior to the commencement of the offer period which represent more than 10% of our total ordinary shares; or (ii) at any time after the commencement of the offer period, the offer must be in cash (or accompanied by a full cash alternative) and the price per ordinary share must not be less than the highest price paid by the bidder or its concert parties during, in the case of (i), the 12-month period prior to the commencement of the offer period and, in the case of (ii), the offer period. The Irish Takeover Panel may apply this rule to a bidder who, together with its concert parties, has acquired less than 10% of our total ordinary shares in the 12-month period prior to the commencement of the offer period if the Irish Takeover Panel, taking into account the General Principles, considers it just and proper to do so.

An offer period will generally commence from the date of the first announcement of the offer or proposed offer.

Substantial Acquisition Rules

The Irish Takeover Rules also contain rules governing substantial acquisitions of shares which restrict the speed at which a person may increase his or her holding of shares and rights over shares to an aggregate of between 15% and 30% of our voting rights. Except in certain circumstances, an acquisition or series of acquisitions of shares or rights over shares representing 10% or more of our voting rights is prohibited, if such acquisition(s), when aggregated with shares or rights already held, would result in the acquirer holding 15% or more but less than 30% of our voting rights and such acquisitions are made within a period of seven days. These rules also require accelerated disclosure of acquisitions of shares or rights over shares relating to such holdings.

Frustrating Action

Under the Irish Takeover Rules, our board of directors is not permitted to take any action which might frustrate an offer for our shares once the board of directors has received an approach which may lead to an offer or has reason to believe an offer is imminent, subject to certain exceptions. Potentially frustrating actions such as: (i) the issue of shares, options or convertible securities; (ii) material acquisitions or disposals; (iii) entering into contracts other than in the ordinary course of business; or (iv) any action, other than seeking alternative offers, which may result in frustration of an offer, are prohibited during the course of an offer or at any time during which the board has reason to believe an offer is imminent. Exceptions to this prohibition are available where:

- (a) the action is approved by our shareholders at a general meeting; or

- (b) the Irish Takeover Panel has given its consent, where:
- (i) it is satisfied the action would not constitute frustrating action;
 - (ii) the holders of 50% of the voting rights state in writing that they approve the proposed action and would vote in favor of it at a general meeting;
 - (iii) the action is taken in accordance with a contract entered into prior to the announcement of the offer; or
 - (iv) the decision to take such action was made before the announcement of the offer and either has been at least partially implemented or is in the ordinary course of business.

Certain other provisions of Irish law or our memorandum and articles of association may be considered to have anti-takeover effects, including those described under the following captions: "*—Authorized and Issued Share Capital*" (regarding issuance of preferred shares), "*—Preemption Rights, Share Warrants and Share Options*," "*—Disclosure of Interests in Shares*," and "*—Corporate Governance*."

Corporate Governance

Our articles of association allocate authority over our day-to-day management to the board of directors. The board of directors may then delegate our management to committees of the board, consisting of one or more members of the board, with power to sub-delegate, or executives, but regardless, the directors will remain responsible, as a matter of Irish law, for the proper management of our affairs. Committees may meet and adjourn as they determine proper. A vote at any committee meeting will be determined by a majority of votes of the members present.

We currently have in place an Audit and Risk Committee, a Compensation Committee and a Nominating and Corporate Governance Committee. We have also adopted Reporting Procedures for Auditing and Accounting, Internal Control Matters and Illegal or Unethical Behavior and No Retaliation Policy, Audit and Non-Audit Services Pre-Approval Policy, Charter of the Lead Independent Director, Insider Trading Policy, Corporate Governance Guidelines and Code of Business Conduct and Ethics.

Legal Name; Formation; Fiscal Year; Registered Office

Our current legal and commercial name is Alkermes plc. We were incorporated in Ireland on May 4, 2011 as a private limited company, under the name Antler Science Two Limited (registration number 498284). On July 25, 2011, Antler Science Two Limited was re-registered as a public limited company under the name Antler Science Two plc. On September 14, 2011, we were re-named Alkermes public limited company. Our fiscal year ends on December 31, and our registered address is Connaught House, 1 Burlington Road, Dublin 4, Ireland.

Duration; Dissolution; Rights upon Liquidation

Our duration is unlimited. We may be dissolved and wound up at any time by way of a shareholders' voluntary winding up or a creditors' winding up. In the case of a shareholders' voluntary winding-up, a special resolution of shareholders is required. We may also be dissolved by way of court order on the application of a creditor, or by the Companies Registration Office as an enforcement measure where we have failed to file certain returns.

The rights of the shareholders to a return of our assets on dissolution or winding up, following the settlement of all claims of creditors, may be prescribed in our articles of association or the terms of any preferred shares issued by our directors from time to time. The holders of preferred shares in particular may have the right to priority in our dissolution or winding up. If the articles of association contain no specific provisions in respect of a dissolution or winding up then, subject to the priorities of

any creditors, the assets will be distributed to shareholders in proportion to the paid-up nominal value of the shares held. Our articles of association provide that our ordinary shareholders are entitled to participate pro rata in a winding up, but their right to do so may be subject to the rights of any preferred shareholders to participate under the terms of any series or class of preferred shares.

Uncertificated Shares

Holders of our ordinary shares will not have the right to require us to issue certificates for their shares. We only issue uncertificated ordinary shares.

Stock Exchange Listing

Our ordinary shares are listed on NASDAQ under the symbol "ALKS." Our ordinary shares are not currently intended to be listed on the Irish Stock Exchange.

No Sinking Fund

Our ordinary shares have no sinking fund provisions.

No Liability for Further Calls or Assessments

Our ordinary shares are duly and validly issued and fully-paid.

Transfer and Registration of Shares

Our transfer agent maintains our share register, which is determinative of ownership of our shares. Our shareholders who hold shares beneficially are not the holders of record of such shares. Instead, the depository (for example, Cede & Co., as nominee for DTC) or other nominee is the holder of record of those shares. Accordingly, a transfer of shares from a person who holds such shares beneficially to a person who also holds such shares beneficially through a depository or other nominee will not be registered in our official share register, as the depository or other nominee will remain the record holder of any such shares.

A written instrument of transfer is required under Irish law in order to register on our official share register any transfer of shares: (i) from a person who holds such shares directly to any other person; (ii) from a person who holds such shares beneficially to a person who holds such shares directly; or (iii) from a person who holds such shares beneficially to another person who holds such shares beneficially where the transfer involves a change in the depository or other nominee that is the record owner of the transferred shares. An instrument of transfer is also required for a shareholder who directly holds shares to transfer those shares into his or her own broker account (or vice versa). Such instruments of transfer may give rise to Irish stamp duty, which must be paid prior to registration of the transfer on our official Irish share register. However, a shareholder who directly holds shares may transfer those shares into his or her own broker account (or vice versa) without giving rise to Irish stamp duty provided there is no change in the ultimate beneficial ownership of the shares as a result of the transfer and the transfer is not made in contemplation of a sale of the shares.

Any transfer of our ordinary shares that is subject to Irish stamp duty will not be registered in the name of the buyer unless an instrument of transfer is duly stamped and provided to the transfer agent. Our articles of association allow us, in our absolute discretion, to create an instrument of transfer and pay (or procure the payment of) any stamp duty, which is the legal obligation of a buyer. In the event of any such payment, we are (on our behalf or on behalf of our affiliates) entitled to: (i) seek reimbursement from the buyer or seller (at our discretion); (ii) set-off the amount of the stamp duty against future dividends payable to the buyer or seller (at our discretion); and (iii) claim a lien against the ordinary shares on which we have paid stamp duty. Parties to a share transfer may assume that any

stamp duty arising in respect of a transaction in our ordinary shares has been paid unless one or both of such parties is otherwise notified by us.

Our articles of association delegate to our secretary the authority to execute an instrument of transfer on behalf of a transferring party.

In order to help ensure that the official share register is regularly updated to reflect trading of our ordinary shares occurring through normal electronic systems, we intend to regularly produce any required instruments of transfer in connection with any transactions for which we pay stamp duty (subject to the reimbursement and set-off rights described above). In the event that we notify one or both of the parties to a share transfer that we believe stamp duty is required to be paid in connection with the transfer and that we will not pay the stamp duty, the parties may either themselves arrange for the execution of the required instrument of transfer (and may request a form of instrument of transfer from us for this purpose) or request that we execute an instrument of transfer on behalf of the transferring party in a form determined by us. In either event, if the parties to the share transfer have the instrument of transfer duly stamped (to the extent required) and then provide it to our transfer agent, the buyer will be registered as the legal owner of the relevant shares on our official Irish share register (subject to the matters described below).

The directors may suspend registration of transfers from time to time, not exceeding 30 days in aggregate each year.

DESCRIPTION OF DEBT SECURITIES

We may offer secured or unsecured debt securities which may be convertible or non-convertible, in one or more series.

The following description briefly sets forth certain general terms and provisions of the debt securities. The particular terms of the debt securities offered by any prospectus supplement and the extent, if any, to which these general provisions may apply to the debt securities will be described in the applicable prospectus supplement. The form of indenture is filed as an exhibit to the registration statement of which this prospectus forms a part. The terms of the debt securities will include those set forth in the indenture, any related securities documents and those made a part of the indenture by the Trust Indenture Act of 1939, as amended. You should read the summary below, the applicable prospectus supplement and the provisions of the indenture and any related security documents, if any, in their entirety before investing in our debt securities.

The prospectus supplement relating to any series of debt securities that we may offer will contain the specific terms of the debt securities. These terms may include the following:

- the title and aggregate principal amount of the debt securities;
- whether the debt securities will be secured or unsecured;
- whether the debt securities are convertible into other securities;
- whether the debt securities are senior or subordinated debt securities;
- the percentage or percentages of principal amount at which such debt securities will be issued;
- the interest rate(s) or the method for determining the interest rate(s);
- the dates on which interest will accrue or the method for determining dates on which interest will accrue and dates on which interest will be payable;
- the maturity date;
- redemption or early repayment provisions;

- authorized denominations;
- form;
- amount of discount or premium, if any, with which such debt securities will be issued;
- whether such debt securities will be issued in whole or in part in the form of one or more global securities;
- the identity of the depository for global securities;
- whether a temporary security is to be issued with respect to such series and whether any interest payable prior to the issuance of definitive securities of the series will be credited to the account of the persons entitled thereto;
- the terms upon which beneficial interests in a temporary global security may be exchanged in whole or in part for beneficial interests in a definitive global security or for individual definitive securities;
- any covenants applicable to the particular debt securities being issued;
- any defaults and events of default applicable to the particular debt securities being issued;
- the guarantors of each series, if any, and the extent of the guarantees (including provisions relating to security and release of the guarantees), if any;
- any restriction or condition on the transferability of the debt securities;
- the currency, currencies or currency units in which the purchase price for, the principal of and any premium and any interest on, such debt securities will be payable;
- the time period within which, the manner in which and the terms and conditions upon which the purchaser of the debt securities can select the payment currency;
- the securities exchange(s) or automated quotation system(s) on which the securities will be listed or admitted to trading, as applicable, if any;
- whether any underwriter(s) will act as market maker(s) for the securities;
- the extent to which a secondary market for the securities is expected to develop;
- our obligation or right to redeem, purchase or repay debt securities under a sinking fund, amortization or analogous provision;
- provisions relating to covenant defeasance and legal defeasance;
- provisions relating to satisfaction and discharge of the indenture;
- provisions relating to the modification of the indenture both with and without the consent of holders of debt securities issued under the indenture; and
- additional terms not inconsistent with the provisions of the indenture.

General

We may sell the debt securities, including original issue discount securities, at par or at a substantial discount below their stated principal amount. Unless we inform you otherwise in a prospectus supplement, we may issue additional debt securities of a particular series without the consent of the holders of the debt securities of such series outstanding at the time of issuance. Any such additional debt securities, together with all other outstanding debt securities of that series, will constitute a single series of securities under the indenture. In addition, we will describe in the

applicable prospectus supplement, material U.S. federal income tax considerations and any other special considerations for any debt securities we sell which are denominated in a currency or currency unit other than U.S. dollars. Unless we inform you otherwise in the applicable prospectus supplement, the debt securities will not be listed on any securities exchange.

We expect most debt securities to be issued in fully registered form without coupons and in denominations of \$1,000 and any integral multiples thereof. Subject to the limitations provided in the indenture and in the applicable prospectus supplement, debt securities that are issued in registered form may be transferred or exchanged at the corporate office of the trustee or the principal corporate trust office of the trustee, without the payment of any service charge, other than any tax or other governmental charge payable in connection therewith.

Global Securities

Unless we inform you otherwise in the applicable prospectus supplement, the debt securities of a series may be issued in whole or in part in the form of one or more global securities that will be deposited with, or on behalf of, a depository identified in the applicable prospectus supplement. Global securities will be issued in registered form and in either temporary or definitive form. Unless and until it is exchanged in whole or in part for the individual debt securities, a global security may not be transferred except as a whole by the depository for such global security to a nominee of such depository or by a nominee of such depository to such depository or another nominee of such depository or by such depository or any such nominee to a successor of such depository or a nominee of such successor. The specific terms of the depository arrangement with respect to any debt securities of a series and the rights of and limitations upon owners of beneficial interests in a global security will be described in the applicable prospectus supplement.

Governing Law

The indenture and the debt securities shall be construed in accordance with and governed by the laws of the State of New York.

PLAN OF DISTRIBUTION

Initial Offering and Sale of Securities

We may sell securities from time to time in one or more transactions separately or in combination. We may sell the securities of or within any series to or through agents, underwriters, dealers, remarketing firms or other third parties or directly to one or more purchasers or through a combination of any of these methods. We may issue securities as a dividend or distribution. In some cases, we or dealers acting with us or on behalf of us may also purchase securities and reoffer them to the public. We may also offer and sell, or agree to deliver, securities pursuant to, or in connection with, any option agreement or other contractual arrangement.

Agents whom we designate may solicit offers to purchase the securities.

- If required, we will name any agent involved in offering or selling securities, and disclose any commissions that we will pay to the agent, in the applicable prospectus supplement.
- Unless we indicate otherwise in the applicable prospectus supplement, agents will act on a best efforts basis for the period of their appointment.
- Agents may be deemed to be underwriters under the Securities Act, of any of the securities that they offer or sell.

We may use an underwriter or underwriters in the offer or sale of the securities.

- If we use an underwriter or underwriters, we will execute an underwriting agreement with the underwriter or underwriters at the time that we reach an agreement for the sale of the securities.
- We will include the names of the specific managing underwriter or underwriters, as well as the names of any other underwriters, and the terms of the transactions, including the commission the underwriters and dealers will receive, in the applicable prospectus supplement.
- The underwriters will use the applicable prospectus supplement, together with this prospectus, to sell the securities.

We may use a dealer to sell the securities.

- If we use a dealer, we will sell the securities to the dealer, as principal.
- The dealer will then sell the securities to the public at varying prices that the dealer will determine at the time it sells the securities.
- We will include the name of the dealer and the terms of the transactions with the dealer in the applicable prospectus supplement.

We may solicit directly offers to purchase the securities, and we may directly sell the securities to institutional or other investors. We will describe the terms of direct sales in the applicable prospectus supplement.

We may engage in at the market offerings into an existing trading market in accordance with Rule 415(a)(4) of the Securities Act.

We may also offer and sell securities, if so indicated in the applicable prospectus supplement, in connection with a remarketing upon their purchase, in accordance with a redemption or repayment pursuant to their terms, or otherwise, by one or more firms referred to as remarketing firms, acting as principals for their own accounts or as our agents. Any remarketing firm will be identified and the terms of its agreement, if any, with us, and its compensation will be described in the applicable

prospectus supplement. Remarketing firms may be deemed to be underwriters under the Securities Act in connection with the securities they remarket.

Subject to applicable law, we may indemnify agents, underwriters, dealers and remarketing firms against certain liabilities, including liabilities under the Securities Act. Agents, underwriters, dealers and remarketing firms, or their affiliates, may be customers of, engage in transactions with or perform services for us or our respective affiliates, in the ordinary course of business.

We may authorize agents and underwriters to solicit offers by certain institutions to purchase the securities at the public offering price under delayed delivery contracts.

- If we use delayed delivery contracts, we will disclose that we are using them in the prospectus supplement and will tell you when we will demand payment and delivery of the securities under the delayed delivery contracts.
- These delayed delivery contracts will be subject only to the conditions that we describe in the prospectus supplement.
- We will describe in the applicable prospectus supplement the commission that underwriters and agents soliciting purchases of the securities under delayed contracts will be entitled to receive.

Any underwriter, agent or dealer that is a Financial Industry Regulatory Authority member is not permitted to sell securities in an offering to accounts over which it exercises discretionary authority without the prior specific written approval of its customer.

Unless otherwise specified in connection with a particular underwritten offering of securities, the underwriters will not be obligated to purchase offered securities unless specified conditions are satisfied, and if the underwriters do purchase any offered securities, they will purchase all offered securities.

In connection with underwritten offerings of the offered securities and in accordance with applicable law and industry practice, the underwriters in certain circumstances are permitted to engage in certain transactions that stabilize the price of the securities. Such transactions consist of bids or purchases for the purpose of pegging, fixing or maintaining the price of the securities. If the underwriters create a short position in the securities in connection with the offering (*i.e.*, if they sell more securities than are set forth on the cover page of the applicable prospectus supplement), the underwriters may reduce that short position by purchasing securities in the open market or as otherwise provided in the applicable prospectus supplement. The underwriters also may impose a penalty bid on certain underwriters. This means that if the underwriters purchase the securities in the open market to reduce the underwriters' short position or to stabilize the price of the securities, they may reclaim the amount of the selling concession from the underwriters who sold those securities as part of the offering. In general, purchases of a security for the purpose of stabilization or to reduce a short position could cause the price of the security to be higher than it might be in the absence of such purchases. The imposition of a penalty bid might also have an effect on the price of a security to the extent that it were to discourage resales of the security. The underwriters are not required to engage in these activities and may end any of these activities at any time.

We may enter into derivative or other hedging transactions involving the securities with third parties, or sell securities not covered by the prospectus to third parties in privately-negotiated transactions. If we so indicate in the applicable prospectus supplement, in connection with those derivative transactions, the third parties may sell securities covered by this prospectus and the applicable prospectus supplement, including in short sale transactions, or may lend securities in order to facilitate short sale transactions by others. If so, the third party may use securities pledged by us or borrowed from us or others to settle those sales or to close out any related open borrowings of securities, and may use securities received from us in settlement of those derivative or hedging

transactions to close out any related open borrowings of securities. The third party in such sale transactions will be an underwriter and will be identified in the applicable prospectus supplement (or a post-effective amendment to the registration statement that includes this prospectus).

We may effect sales of securities in connection with forward sale, option or other types of agreements with third parties. Any distribution of securities pursuant to any forward sale agreement may be effected from time to time in one or more transactions that may take place through a stock exchange, including block trades or ordinary broker's transactions, or through broker-dealers acting either as principal or agent, or through privately-negotiated transactions, or through an underwritten public offering, or through a combination of any such methods of sale, at market prices prevailing at the time of sale, at prices relating to such prevailing market prices or at negotiated or fixed prices.

We may loan or pledge securities to third parties that in turn may sell the securities using this prospectus and the applicable prospectus supplement or, if we default in the case of a pledge, may offer and sell the securities from time to time using this prospectus and the applicable prospectus supplement. Such third parties may transfer their short positions to investors in the securities or in connection with a concurrent offering of other securities offered by this prospectus and the applicable prospectus supplement or otherwise.

Sales by Selling Security Holders

Selling security holders may use this prospectus in connection with resales of securities they hold as described in the applicable prospectus supplement. The applicable prospectus supplement will identify the selling security holders, the terms of the securities and any material relationships we have with the selling security holders. Selling security holders may be deemed to be underwriters under the Securities Act in connection with the securities they resell and any profits on the sales may be deemed to be underwriting discounts and commissions under the Securities Act. Unless otherwise provided in a prospectus supplement, the selling security holders will receive all the proceeds from the sale of the securities.

LEGAL MATTERS

Unless otherwise indicated in the applicable prospectus supplement, the validity of any securities offered hereby will be passed upon for us by Cleary Gottlieb Steen & Hamilton LLP, our New York counsel, and/or Arthur Cox, Solicitors, our Irish counsel.

EXPERTS

The financial statements and management's assessment of the effectiveness of internal control over financial reporting (which is included in Management's Report on Internal Control over Financial Reporting) incorporated in this prospectus by reference to the Annual Report on Form 10-K for the year ended March 31, 2013 have been so incorporated in reliance on the report of PricewaterhouseCoopers LLP, an independent registered public accounting firm, given on the authority of said firm as experts in auditing and accounting.

ENFORCEMENT OF CIVIL LIABILITIES UNDER UNITED STATES FEDERAL SECURITIES LAWS

We are a public limited company formed under the laws of Ireland, and certain of our officers and directors are or may in the future be residents outside the United States. All or a substantial portion of our assets or the assets of such non-resident persons may be located outside of the United States. As a result, it may not be possible to effect service of process within the United States upon such persons or us, or to enforce against such persons or us in U.S. courts judgments obtained in such courts predicated upon the civil liability provisions of the federal securities laws of the United States. There is no treaty between Ireland and the United States providing for the reciprocal enforcement of foreign

judgments. We have been advised by counsel that there is doubt as to the enforceability in Ireland, in original actions or in actions for enforcement of judgments of U.S. courts, of liabilities predicated solely upon the securities laws of the United States. Consequently, it may be difficult for investors to enforce against us, our directors or our officers in Ireland judgments obtained in the United States which are predicated upon the civil liability provisions of the federal securities laws of the United States.

INFORMATION INCORPORATED BY REFERENCE

The rules of the SEC allow us to incorporate by reference information into this prospectus. The information incorporated by reference is considered to be a part of this prospectus, and information that we file later with the SEC will automatically update and supersede this information. This prospectus incorporates by reference the documents listed below (other than portions of these documents that are either (i) described in paragraphs (d)(1), (d)(2), (d)(3) or (e)(5) of Item 407 of Regulations S-K promulgated by the SEC or (ii) furnished under applicable SEC rules rather than filed and exhibits furnished in connection with such items):

- Our Annual Report on Form 10-K for the fiscal year ended March 31, 2013, filed with the SEC on May 23, 2013, as amended by Form 10-K/A, filed with the SEC on May 30, 2013;
- The information specifically incorporated by reference into the Annual Report from our definitive proxy statement on Schedule 14A, filed with the SEC on June 14, 2013;
- Our Quarterly Report on Form 10-Q for the fiscal quarter ended June 30, 2013, filed with the SEC on July 25, 2013;
- Our Quarterly Report on Form 10-Q for the fiscal quarter ended September 30, 2013, filed with the SEC on October 31, 2013;
- Our Current Reports on Form 8-K, filed with the SEC on April 1, 2013, April 9, 2013, May 16, 2013, May 23, 2013 (excluding Item 2.02), August 1, 2013, and November 12, 2013; and
- Our registration statement on Form 8-A describing our ordinary shares, filed with the SEC on September 16, 2011.

All reports and other documents subsequently filed by us pursuant to Sections 13(a), 13(c), 14 and 15(d) of the Exchange Act after the date of this prospectus and prior to the termination of this offering shall be deemed to be incorporated by reference in this prospectus and to be part hereof from the date of filing of such reports and other documents. However, we are not incorporating by reference any information provided in these documents that is described in paragraph (d)(1), (d)(2), (d)(3) or (e)(5) of Item 407 of Regulation S-K promulgated by the SEC or furnished under applicable SEC rules rather than filed and exhibits furnished in connection with such items.

We hereby undertake to provide without charge to each person, including any beneficial owner, to whom a copy of this prospectus is delivered, upon written or oral request of any such person, a copy of any or all of the information that has been or may be incorporated by reference in this prospectus, excluding all exhibits unless an exhibit has been specifically incorporated by reference into this prospectus. Requests for such copies should be directed to our Investor Relations department, at the following address:

Alkermes Public Limited Company
Attention: Investor Relations
852 Winter Street
Waltham, MA 02451
(781) 609-6000
Email: financial@alkermes.com

WHERE YOU CAN FIND MORE INFORMATION

We file annual, quarterly and current reports and other information with the SEC. You may read and copy any materials we file at the SEC's Public Reference Room at 100 F Street, N.E., Washington, D.C. 20549. Please call the SEC at 1-888-SEC-0330 for further information about the Public Reference Room. The SEC also maintains an internet website at www.sec.gov that contains periodic and current reports, proxy and information statements, and other information regarding registrants that file electronically with the SEC.

You should rely only on the information contained or incorporated by reference in this prospectus, in any accompanying prospectus supplement, and in any related free writing prospectus we prepare or authorize. We have not authorized anyone to provide you with information different from that contained in this prospectus. The securities offered under this prospectus are offered only in jurisdictions where offers and sales are permitted. The information contained in this prospectus is accurate only as of the date of this prospectus, regardless of the time of delivery of this prospectus or any sale of the securities offered hereby.

This prospectus is part of a registration statement that we filed with the SEC, using a "shelf" registration process under the Securities Act relating to the securities to be offered. This prospectus does not contain all of the information set forth in the registration statement, certain parts of which are omitted in accordance with the rules and regulations of the SEC. The registration statement, including the exhibits thereto, may be inspected at the Public Reference Room maintained by the SEC at the address set forth above. Statements contained herein concerning any document filed as an exhibit are not necessarily complete, and, in each instance, reference is made to the copy of such document filed as an exhibit to the registration statement. Each such statement is qualified in its entirety by such reference.

PART II**INFORMATION NOT REQUIRED IN PROSPECTUS****Item 14. Other Expenses of Issuance and Distribution.**

The following table sets forth fees and expenses payable by the registrant, other than underwriting discounts and commissions, in connection with the issuance and distribution of the securities being registered hereby. All amounts set forth below are estimates. All of such expenses are being borne by the registrant.

	Amount to be Paid
SEC registration fee	\$ (1)
Printing fees	(2)
Legal fees and expenses	(2)
Accounting fees and expenses	(2)
Trustee's and transfer agent's fees and expenses	(2)
Rating agency fees	(2)
Miscellaneous	(2)
Total	\$

- (1) This registration statement relates to the registration of securities having an indeterminate maximum aggregate amount. Payment of the registration fee has been deferred and will be calculated and paid in accordance with Rule 456(b) and Rule 457(r) under the Securities Act.
- (2) The estimated amounts of fees and expenses to be incurred in connection with any offering of securities pursuant to this registration statement will be determined from time to time and reflected in the applicable prospectus supplement.

Item 15. Indemnification of Directors and Officers

The Irish Companies Acts 1963-2012 permit a company to pay the costs or discharge the liability of a director or the company secretary only where favorable judgment is given in any civil or criminal action in respect of such costs or liability, or where an Irish court grants relief because the director or company secretary acted honestly and reasonably and ought fairly to be excused. This restriction does not apply to executives who are not directors or the secretary of the registrant. Any provision which seeks to indemnify a director or secretary of an Irish company over and above this shall be void under Irish law, whether contained in its articles of association or any contract between the director or company secretary and such company.

The directors, secretary, and executive officers of the registrant, and certain directors and executive officers of certain of its subsidiaries, including Alkermes, Inc., are entitled to be indemnified pursuant to indemnification agreements with the registrant and/or Alkermes, Inc. Under the terms of these indemnification agreements, the registrant and/or Alkermes, Inc., as applicable, will indemnify each relevant director, secretary, or executive officer to the maximum extent permitted by law for expenses actually and reasonably incurred by the director, secretary, or executive officer in relation to claims, brought against such director, secretary, or executive officer, that arise from actions taken while acting as a director, secretary, or executive officer of the registrant and/or its subsidiaries, except to the extent that such indemnification is prohibited by applicable law or would be duplicative of amounts otherwise actually provided to such director, secretary, or executive officer in relation to such claims. The registrant and/or Alkermes, Inc. will, to the maximum extent permitted by law, advance the expenses of

such director, secretary, or executive officer in connection with his or her defense. Each director, secretary, or executive officer undertakes to the fullest extent required by law to repay all amounts advanced if it is ultimately determined that he or she is not entitled to be indemnified by the registrant and/or Alkermes, Inc.

The registrant has also obtained directors' and officers' liability insurance which insures its officers and directors against certain liabilities such persons may incur in their capacities as officers and directors of the registrant.

Pursuant to the registrant's articles of association, subject to the provisions of, and so far as may be permitted by the Companies Acts, every director, or other officer of the registrant (other than an auditor) may be indemnified by the registrant against all costs, charges, losses, expenses and liabilities incurred by him in the execution and discharge of his duties or in relation thereto including any liability incurred by him in defending civil or criminal proceedings which relate to anything done or omitted or alleged to have been done or omitted by him as an officer or employee of us and in which judgment is given in his favor (or the proceedings are otherwise disposed of without any finding or admission of any material breach of duty on his part) or in which he is acquitted or in connection with any application under any statute for relief from liability in respect of any such act or omission in which relief is granted to him by the court.

Item 16. Exhibits.

The Exhibit Index filed herewith and appearing immediately before the exhibits hereto is incorporated by reference in this Item 16.

Item 17. Undertakings.

(a) The undersigned registrant hereby undertakes:

(1) To file, during any period in which offers or sales are being made, a post-effective amendment to this registration statement:

- (i) To include any prospectus required by Section 10(a)(3) of the Securities Act of 1933;
- (ii) To reflect in the prospectus any facts or events arising after the effective date of the registration statement (or the most recent post-effective amendment thereof) which, individually or in the aggregate, represent a fundamental change in the information set forth in the registration statement. Notwithstanding the foregoing, any increase or decrease in the volume of securities offered (if the total dollar value of securities offered would not exceed that which was registered) and any deviation from the low or high end of the estimated maximum offering range may be reflected in the form of prospectus filed with the Securities and Exchange Commission pursuant to Rule 424(b) if, in the aggregate, the changes in volume and price represent no more than a 20% change in the maximum aggregate offering price set forth in the "Calculation of Registration Fee" table in the effective registration statement; and
- (iii) To include any material information with respect to the plan of distribution not previously disclosed in the registration statement or any material change to such information in the registration statement;

provided, however, that paragraphs (i), (ii) and (iii) above do not apply if the information required to be included in a post-effective amendment by those paragraphs is contained in reports filed with or furnished to the Securities and Exchange Commission by the registrant pursuant to Section 13 or Section 15(d) of the Securities Exchange Act of 1934 that are incorporated by reference in the

registration statement, or is contained in a form of prospectus filed pursuant to Rule 424(b) that is part of the registration statement.

(2) That, for the purpose of determining any liability under the Securities Act of 1933, each such post-effective amendment shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof.

(3) To remove from registration by means of a post-effective amendment any of the securities being registered which remain unsold at the termination of the offering.

(4) That, for the purpose of determining liability under the Securities Act of 1933 to any purchaser:

- (i) Each prospectus filed by the registrant pursuant to Rule 424(b)(3) shall be deemed to be part of the registration statement as of the date the filed prospectus was deemed part of and included in the registration statement; and
- (ii) Each prospectus required to be filed pursuant to Rule 424(b)(2), (b)(5), or (b)(7) as part of a registration statement in reliance on Rule 430B relating to an offering made pursuant to Rule 415(a)(1)(i), (vii), or (x) for the purpose of providing the information required by Section 10(a) of the Securities Act of 1933 shall be deemed to be part of and included in the registration statement as of the earlier of the date such form of prospectus is first used after effectiveness or the date of the first contract of sale of securities in the offering described in the prospectus. As provided in Rule 430B, for liability purposes of the issuer and any person that is at that date an underwriter, such date shall be deemed to be a new effective date of the registration statement relating to the securities in the registration statement to which that prospectus relates, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof. *Provided, however*, that no statement made in a registration statement or prospectus that is part of the registration statement or made in a document incorporated or deemed incorporated by reference into the registration statement or prospectus that is part of the registration statement will, as to a purchaser with a time of contract of sale prior to such effective date, supersede or modify any statement that was made in the registration statement or prospectus that was part of the registration statement or made in any such document immediately prior to such effective date.

(5) That, for the purpose of determining liability of the registrant under the Securities Act of 1933 to any purchaser in the initial distribution of the securities, the undersigned registrant undertakes that in a primary offering of securities of the undersigned registrant pursuant to this registration statement, regardless of the underwriting method used to sell the securities to the purchaser, if the securities are offered or sold to such purchaser by means of any of the following communications, the undersigned registrant will be a seller to the purchaser and will be considered to offer or sell such securities to such purchaser:

- (i) Any preliminary prospectus or prospectus of the undersigned registrant relating to the offering required to be filed pursuant to Rule 424;
- (ii) Any free writing prospectus relating to the offering prepared by or on behalf of the undersigned registrant or used or referred to by the undersigned registrant;
- (iii) The portion of any other free writing prospectus relating to the offering containing material information about the undersigned registrant or its securities provided by or on behalf of the undersigned registrant; and

(iv) Any other communication that is an offer in the offering made by the undersigned registrant to the purchaser.

(b) The undersigned registrant hereby undertakes that, for purposes of determining any liability under the Securities Act of 1933, each filing of the registrant's annual report, pursuant to Section 13(a) or 15(d) of the Securities Exchange Act of 1934 (and, where applicable, each filing of an employee benefit plan's annual report pursuant to Section 15(d) of the Securities Exchange Act of 1934) that is incorporated by reference in the registration statement shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof.

(c) The undersigned registrant hereby undertakes to file an application for the purpose of determining the eligibility of the trustee to act under subsection (a) of Section 310 of the Trust Indenture Act of 1939 in accordance with the rules and regulations prescribed by the Commission under Section 305(b)(2) of the Act.

(d) Insofar as indemnification for liabilities arising under the Securities Act of 1933 may be permitted to directors, officers or controlling persons of the registrant pursuant to the foregoing provisions, or otherwise, the registrant has been advised that in the opinion of the Securities and Exchange Commission such indemnification is against public policy as expressed in the Securities Act of 1933 and is, therefore, unenforceable. In the event that a claim for indemnification against such liabilities (other than the payment by the registrant of expenses incurred or paid by a director, officer or controlling person of the registrant in the successful defense of any action, suit or proceeding) is asserted by such director, officer or controlling person in connection with the securities being registered, the registrant will, unless in the opinion of its counsel the matter has been settled by controlling precedent, submit to a court of appropriate jurisdiction the question whether such indemnification by it is against public policy as expressed in the Securities Exchange Act of 1934 and will be governed by the final adjudication of such issue.

<u>Signature</u>	<u>Title</u>	<u>Date</u>
<hr/> <u>/s/ WENDY L. DIXON</u> Wendy L. Dixon	Director	November 12, 2013
<hr/> <u>/s/ GERALDINE A. HENWOOD</u> Geraldine A. Henwood	Director	November 12, 2013
<hr/> <u>/s/ PAUL J. MITCHELL</u> Paul J. Mitchell	Director	November 12, 2013
<hr/> <u>/s/ NANCY J. WYSENSKI</u> Nancy J. Wysenski	Director	November 12, 2013
<hr/> <u>/s/ KATHRYN L. BIBERSTEIN</u> Kathryn L. Biberstein	Authorized Representative in the U.S. Alkermes, Inc. (Chief Legal Officer)	November 12, 2013

EXHIBIT INDEX

Exhibit Number	Description	Incorporated by reference herein	
		From	Date
1.01	Form of Underwriting Agreement	Filed herewith	
3.01	Amended and Restated Memorandum and Articles of Association of Alkermes plc	Exhibit 3.1 to the Alkermes plc Current Report on Form 8-K (File No. 001-35299)	September 16, 2011
4.01	Form of Indenture (including form of debt security)	Filed herewith	
4.02	Specimen Preferred Share certificate*		
4.03	Specimen Class A Ordinary Share certificate	Exhibit 4.1 to the Alkermes plc Registration Statement on Form S-1/A (File No. 333-179550)	February 29, 2012
5.01	Opinion of Cleary Gottlieb Steen & Hamilton LLP	Filed herewith	
5.02	Opinion of Arthur Cox, Solicitors	Filed herewith	
12.01	Ratio of Earnings to Fixed Charges	Filed herewith	
23.01	Consent of PricewaterhouseCoopers LLP, an independent registered public accounting firm	Filed herewith	
23.02	Consent of Cleary Gottlieb Steen & Hamilton LLP (included in Exhibit 5.01 to this Registration Statement)	Filed herewith	
23.03	Consent of Arthur Cox, Solicitors (included in Exhibit 5.02 to this Registration Statement)	Filed herewith	
24.01	Power of Attorney (incorporated by reference to the signature page of this Registration Statement)	Filed herewith	
25.01	Statement of Eligibility on Form T-1*		

* To be filed, if necessary, by a post-effective amendment to the registration statement or as an exhibit to a document incorporated by reference herein.

Alkermes plc

Ordinary Shares
Preferred Shares
Debt Securities

Form of Underwriting Agreement

New York, New York

[Names of Underwriters]

As Representatives of the several Underwriters

Ladies and Gentlemen:

Alkermes plc (the "Company"), a company incorporated under the laws of Ireland, proposes to sell to the several underwriters named in Schedule I hereto (the "Underwriters"), for whom you (the "Representatives") are acting as representatives, [] ordinary shares, par value \$0.01 per share (the "Ordinary Shares") and/or [] preferred shares, par value \$0.01 per share (the "Preferred Shares") and/or \$[] principal amount of debt securities (the "Debt Securities" and, collectively with the Ordinary Shares and the Preferred Shares, the "Securities") of the Company. To the extent there are no additional Underwriters listed on Schedule I other than you, the term Representatives as used herein shall mean you, as Underwriters, and the terms Representatives and Underwriters shall mean either the singular or plural as the context requires. The use of the neuter in this Agreement shall include the feminine and masculine wherever appropriate. Certain terms used herein are defined in Section 22 hereof.

1. Representations and Warranties.

(i) The Company represents and warrants to, and agrees with, each Underwriter as set forth below in this Section 1.

(a) At the time the Registration Statement initially became effective, at the time of each amendment to the Registration Statement, at the Execution Time, and on the Closing Date, the Company meets the requirements for use of Form S-3 under the Act and has prepared and filed with the Commission a registration statement (file number 333-) on Form S-3, including a related Base Prospectus, for registration under the Act of the offering and sale from time to time of the Securities. Such Registration Statement, including any amendments thereto filed prior to the Execution Time, has become effective. The Company may have filed with the Commission, as part of an amendment to the Registration Statement or pursuant to Rule 424(b), one or more preliminary prospectus supplements relating to the Securities, each of which has previously been

furnished to you. The Company will file with the Commission a final prospectus supplement relating to the Securities in accordance with Rule 424(b). As filed, such final prospectus supplement (together with the Base Prospectus) shall contain all information required by the Act and the rules thereunder, and, except to the extent the Representatives shall agree in writing to a modification, shall be in all substantive respects in the form furnished to you prior to the Execution Time or, to the extent not completed at the Execution Time, shall contain only such specific additional information and other changes (beyond that contained in the Base Prospectus and any Preliminary Prospectus) as the Company has advised you, prior to the Execution Time, will be included or made therein. The Registration Statement, at the Execution Time, meets the requirements set forth in Rule 415(a)(1)(i). The initial effective date of the Registration Statement was not earlier than the date three years before the Execution Time relating to the Securities.

(b) On the Effective Date, the Registration Statement did, and when the Prospectus is first filed in accordance with Rule 424(b) and on the Closing Date (as defined herein), the Prospectus (and any supplement thereto) will, comply in all material respects with the applicable requirements of the Act and the rules thereunder; on the Effective Date and at the Execution Time, the Registration Statement did not and will not contain any untrue statement of a material fact or omit to state any material fact required to be stated therein or necessary in order to make the statements therein not misleading; and on the date of any filing pursuant to Rule 424(b) and on the Closing Date and any settlement date, the Prospectus (together with any supplement thereto) will not include any untrue statement of a material fact or omit to state a material fact necessary in order to make the statements therein, in the light of the circumstances under which they were made, not misleading; provided, however, that the Company makes no representations or warranties as to the information contained in or omitted from the Registration Statement, or the Prospectus (or any supplement thereto) in reliance upon and in conformity with information furnished in writing to the Company by or on behalf of any Underwriter through the Representatives specifically for inclusion in the Registration Statement or the Prospectus (or any supplement thereto), it being understood and agreed that the only such information furnished by any Underwriter consists of the information described as such in Section 8 hereof.

(c) (i) The Disclosure Package and the terms set forth in Schedule II, when taken together as a whole and (ii) each electronic road show when taken together as a whole with the Disclosure Package and the terms set forth in Schedule II, does not contain any untrue statement of a material fact or omit to state any material fact necessary in order to make the statements therein, in the light of the circumstances under which they were made, not misleading. The preceding sentence does not apply to statements in or omissions from the Disclosure Package based upon and in conformity with written information furnished to the Company by any Underwriter through the Representatives

(d) (i) At the time of filing the Registration Statement and (ii) as of the Execution Time (with such date being used as the determination date for purposes of this clause (ii)), the Company was not and is not an Ineligible Issuer (as defined in Rule 405), without taking account of any determination by the Commission pursuant to Rule 405 that it is not necessary that the Company be considered an Ineligible Issuer.

(e) Each Issuer Free Writing Prospectus does not include any information that conflicts with the information contained in the Registration Statement, including any document incorporated by reference therein that has not been superseded or modified. The foregoing sentence does not apply to statements in or omissions from any Issuer Free Writing Prospectus based upon and in conformity with written information furnished to the Company by any Underwriter through the Representatives specifically for use therein, it being understood and agreed that the only such information furnished by or on behalf of any Underwriter consists of the information described as such in Section 8 hereof.

(f) Each of the Company and each Material Subsidiary has been duly incorporated and is validly existing as a corporation in good standing (where relevant) under the laws of the jurisdiction in which it is chartered or organized with full corporate power and authority to own or lease, as the case may be, and to operate its properties and conduct its business as described in the Disclosure Package and the Prospectus, and is duly qualified to do business as a foreign corporation and is in good standing (where relevant) under the laws of each jurisdiction which requires such qualification, except where the failure to be so qualified or in good standing would not have a material adverse effect on the condition (financial or otherwise), prospects, earnings, business or properties of the Company and its subsidiaries, taken as a whole, whether or not arising from transactions in the ordinary course of business (a "Material Adverse Effect").

(g) [All the outstanding shares of capital stock of the Company and each Material Subsidiary have been duly and validly authorized and issued and are fully paid and nonassessable, and, except as otherwise set forth in the Disclosure Package and the Prospectus, all outstanding shares of capital stock of the Material Subsidiaries are owned by the Company either directly or through wholly owned subsidiaries free and clear of any perfected security interest or any other security interests, claims, liens or encumbrances.]

(h) [The Debt Securities have been duly authorized and, on the Closing Date, the Debt Securities will have been duly executed by the Company and, when authenticated in accordance with the indenture and delivered and paid for as provided in this Agreement, will be the legal, valid and binding obligations

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of the Company, entitled to the benefits of the indenture and enforceable against the Company in accordance with their terms, subject to bankruptcy, insolvency, fraudulent transfer, reorganization, moratorium and similar laws of general applicability relating to or affecting creditors' rights and to general equity principles.]

(i) There is no franchise, contract or other document of a character required to be described in the Registration Statement or Prospectus, or to be filed as an exhibit thereto, which is not described or filed as required (and the Preliminary Prospectus contains in all material respects the same description of the foregoing matters contained in the Prospectus); and the statements in the Preliminary Prospectus and the Prospectus under the headings "Description of Ordinary Shares and Preferred Shares" and "Description of Debt Securities", insofar as such statements summarize legal matters, agreements, documents or proceedings discussed therein, are accurate and fair summaries of such legal matters, agreements, documents or proceedings.

(j) This Agreement has been duly authorized, executed and delivered by the Company.

(k) The Company is not and, after giving effect to the offering and sale of the Securities and the application of the proceeds thereof as described in the Disclosure Package and the Prospectus, will not be an "investment company" as defined in the Investment Company Act of 1940, as amended.

(l) No consent, approval, authorization, filing with or order of any court or governmental agency or body is required in connection with the transactions contemplated herein, except such as have been obtained under the Act and such as may be required under the blue sky laws of any jurisdiction in connection with the purchase and distribution of the Securities by the Underwriters in the manner contemplated herein and in the Disclosure Package and the Prospectus, and except where the failure to obtain such consent, approval, authorization or order, or to make such filing, would not have a material adverse effect on the performance of this Agreement or the consummation of any of the transactions contemplated hereby.

(m) Neither the sale of the Securities nor the consummation of any other of the transactions herein contemplated nor the fulfillment of the terms hereof will conflict with, result in a breach or violation of, or imposition of any lien, charge or encumbrance upon any property or assets of the Company or any of its subsidiaries pursuant to, (i) the charter or by-laws of the Company or any of its subsidiaries, (ii) the terms of any indenture, contract, lease, mortgage, deed of trust, note agreement, loan agreement or other agreement, obligation, condition, covenant or instrument to which the Company or any of its subsidiaries is a party or bound or to which its or their property is subject, or (iii) any statute, law, rule, regulation, judgment, order or decree applicable to the Company or any of its

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subsidiaries of any court, regulatory body, administrative agency, governmental body, arbitrator or other authority having jurisdiction over the Company or any of its subsidiaries or any of its or their properties, except for any such conflict, breach, violation or lien, charge or encumbrance that would not have a Material Adverse Effect.

(n) Except as set forth in the Disclosure Package and the Prospectus, no holders of securities of the Company have rights to the registration of such securities under the Registration Statement.

(o) The consolidated historical financial statements and schedules of the Company and its consolidated subsidiaries included in the Preliminary Prospectus, the Prospectus and the Registration Statement present fairly the financial condition, results of operations and cash flows of the Company as of the dates and for the periods indicated, comply as to form with the applicable accounting requirements of the Act and have been

prepared in conformity with generally accepted accounting principles applied on a consistent basis throughout the periods involved (except as otherwise noted therein).

(p) No action, suit or proceeding by or before any court or governmental agency, authority or body or any arbitrator involving the Company or any of its subsidiaries or its or their property is pending or, to the best knowledge of the Company, threatened that (i) could reasonably be expected to have a material adverse effect on the performance of this Agreement or the consummation of any of the transactions contemplated hereby or (ii) could reasonably be expected to have a Material Adverse Effect, except as set forth in or contemplated in the Disclosure Package and the Prospectus (exclusive of any supplement thereto).

(q) Each of the Company and each of its subsidiaries owns or leases all such properties as are necessary to the conduct of the consolidated operations of the Company and its subsidiaries as presently conducted.

(r) Neither the Company nor any subsidiary is in violation or default of (i) any provision of its memorandum and articles of association, charter or bylaws, (ii) the terms of any indenture, contract, lease, mortgage, deed of trust, note agreement, loan agreement or other agreement, obligation, condition, covenant or instrument to which it is a party or bound or to which its property is subject, or (iii) any statute, law, rule, regulation, judgment, order or decree of any court, regulatory body, administrative agency, governmental body, arbitrator or other authority having jurisdiction over the Company or such subsidiary or any of its properties, as applicable, except where such violation or default would not have a Material Adverse Effect.

(s) [], who have certified certain financial statements of the Company and its consolidated subsidiaries and delivered their report with respect to the audited consolidated financial statements and schedules included in the

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Disclosure Package and the Prospectus, are independent public accountants with respect to the Company within the meaning of the Act and the applicable published rules and regulations thereunder.

(t) No labor problem or dispute with the employees of the Company or any of its subsidiaries exists or is threatened or, to its knowledge, imminent that could have a Material Adverse Effect, except as set forth in or contemplated in the Disclosure Package and the Prospectus (exclusive of any supplement thereto).

(u) The Company and its subsidiaries possess all licenses, certificates, permits and other authorizations issued by all applicable authorities necessary to conduct the consolidated business of the Company and its subsidiaries, and neither the Company nor any such subsidiary has received any notice of proceedings relating to the revocation or modification of any such certificate, authorization or permit which, singly or in the aggregate, if the subject of an unfavorable decision, ruling or finding, would have a Material Adverse Effect, except as set forth in or contemplated in the Disclosure Package and the Prospectus (exclusive of any supplement thereto).

(v) The Company and each of its subsidiaries maintain a system of internal accounting controls sufficient to provide reasonable assurance that (i) transactions are executed in accordance with management's general or specific authorizations; (ii) transactions are recorded as necessary to permit preparation of financial statements in conformity with generally accepted accounting principles and to maintain asset accountability; (iii) access to assets is permitted only in accordance with management's general or specific authorization; and (iv) the recorded accountability for assets is compared with the existing assets at reasonable intervals and appropriate action is taken with respect to any differences. The Company and its subsidiaries' internal controls over financial reporting are effective and the Company and its subsidiaries are not aware of any material weakness in their internal controls over financial reporting.

(w) The Company and its subsidiaries maintain "disclosure controls and procedures" (as such term is defined in Rule 13a-15(e) under the Exchange Act); such disclosure controls and procedures are effective.

(x) The Company has not taken, directly or indirectly, any action designed to or that would constitute or that might reasonably be expected to cause or result in, under the Exchange Act or otherwise, stabilization or manipulation of the price of any security of the Company to facilitate the sale or resale of the Securities.

(y) Neither the Company nor any of its subsidiaries, nor, to the knowledge of the Company, any director, officer or employee of the Company or any of its subsidiaries is aware of or has taken any action that would result in a violation by such persons of the Foreign Corrupt Practices Act of 1977, as

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amended, and the rules and regulations thereunder (the "FCPA"), including, without limitation, making use of the mails or any means or instrumentality of interstate commerce corruptly in furtherance of an offer, payment, promise to pay or authorization of the payment of any money, or other property, gift, promise to give, or authorization of the giving of anything of value to any "foreign official" (as such term is defined in the FCPA) or any foreign political party or official thereof or any candidate for foreign political office, in contravention of the FCPA.

(z) The operations of the Company and its subsidiaries are and have been conducted at all times in compliance with applicable financial recordkeeping and reporting requirements and the money laundering statutes and the rules and regulations of Ireland and the United States and any related or similar rules, regulations or guidelines, issued, administered or enforced by any governmental agency of Ireland or the United States (collectively, the "Money Laundering Laws") and no action, suit or proceeding by or before any court or governmental agency, authority or body or any arbitrator involving the Company or any of its subsidiaries with respect to the Money Laundering Laws is pending or, to the best knowledge of the Company, threatened.

(aa) Neither the Company nor any of its subsidiaries, nor, to the knowledge of the Company, any director, officer or employee of the Company or any of its subsidiaries is currently subject to any sanctions administered by the Office of Foreign Assets Control of the U.S. Treasury

Department (“OFAC”); and the Company will not directly or indirectly use the proceeds of the offering, or lend, contribute or otherwise make available such proceeds to any subsidiary, joint venture partner or other person or entity, for the purpose of financing the activities of any person currently subject to any U.S. sanctions administered by OFAC.

(bb) Except as could not reasonably be expected, individually or in the aggregate, to have a Material Adverse Effect, except as set forth in or contemplated in the Disclosure Package and the Prospectus (exclusive of any supplement thereto), (i) to the knowledge of the Company, the Company and its subsidiaries own, possess, license or otherwise have, or can obtain, adequate rights to use all material patents, patent applications, trademarks and service marks, trademark and service mark registrations and applications, trade names, logos, trade dress, domain names and all goodwill associated with the foregoing, copyrights, licenses, inventions, trade secrets, computer software, technology, know-how (including unpatented and/or unpatentable proprietary or confidential information, systems or procedures) and other intellectual property (collectively, “Intellectual Property”) necessary for the conduct of the consolidated business of the Company and its subsidiaries as currently conducted as described in the Disclosure Package or Prospectus, and (ii) there is, to the knowledge of the Company, no pending or threatened action, suit, proceeding or claim by others (x) challenging the validity, scope or enforceability of any Intellectual Property owned by or licensed to the Company or any of its subsidiaries or the Company’s or any of its subsidiaries’

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rights in any such Intellectual Property or (y) alleging that the Company or any of its subsidiaries has infringed, misappropriated or otherwise violated any Intellectual Property of any third party.

(cc) Neither the Company nor any of its subsidiaries nor any of its or their properties or assets has any immunity from the jurisdiction of any court or from any legal process (whether through service or notice, attachment prior to judgment, attachment in aid of execution or otherwise) under the laws of Ireland.

Any certificate signed by any officer of the Company and delivered to the Representatives or counsel for the Underwriters in connection with the offering of the Securities shall be deemed a representation and warranty by the Company, as to matters covered thereby, to each Underwriter.

2. Purchase and Sale. Subject to the terms and conditions and in reliance upon the representations and warranties herein set forth, the Company agrees to sell to each Underwriter, and each Underwriter agrees, severally and not jointly, to purchase from the Company the amount of the Securities set forth opposite such Underwriter’s name in Schedule I hereto according to the terms set forth in Schedule II.

3. Delivery and Payment. Delivery of and payment for the Securities shall be made at 10:00 AM, New York City time, on _____, or at such time on such later date not more than three Business Days after the foregoing date as the Representatives shall designate, which date and time may be postponed by agreement among the Representatives and the Company or as provided in Section 9 hereof (such date and time of delivery and payment for the Securities being herein called the “Closing Date”). Delivery of the Securities shall be made to the Representatives for the respective accounts of the several Underwriters against payment by the several Underwriters through the Representatives of the respective aggregate purchase prices of the Securities being sold by the Company to or upon the order of the Company by wire transfer payable in same-day funds to the accounts specified by the Company. Delivery of the Securities shall be made through the facilities of DTC unless the Representatives shall otherwise instruct.

4. Offering by Underwriters. It is understood that the several Underwriters propose to offer the Securities for sale to the public as set forth in the Prospectus.

5. Agreements.

(i) The Company agrees with the several Underwriters that:

(a) Prior to the termination of the offering of the Securities, the Company will not file any amendment of the Registration Statement or supplement (including the Prospectus or any Preliminary Prospectus) to the Base Prospectus or any Rule 462(b) Registration Statement unless the Company has

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furnished you a copy for your review prior to filing and will not file any such proposed amendment or supplement to which you reasonably object. The Company will cause the Prospectus, properly completed, and any supplement thereto to be filed in a form approved by the Representatives with the Commission pursuant to the applicable paragraph of Rule 424(b) within the time period prescribed and will provide evidence satisfactory to the Representatives of such timely filing. The Company will promptly advise the Representatives (i) when the Prospectus, and any supplement thereto, shall have been filed (if required) with the Commission pursuant to Rule 424(b) or when any Rule 462(b) Registration Statement shall have been filed with the Commission, (ii) when, prior to termination of the offering of the Securities, any amendment to the Registration Statement shall have been filed or become effective, (iii) of any request by the Commission or its staff for any amendment of the Registration Statement, or any Rule 462(b) Registration Statement, or for any supplement to the Prospectus or for any additional information, (iv) of the issuance by the Commission of any stop order suspending the effectiveness of the Registration Statement or of any notice objecting to its use or the institution or threatening of any proceeding for that purpose and (v) of the receipt by the Company of any notification with respect to the suspension of the qualification of the Securities for sale in any jurisdiction or the institution or threatening of any proceeding for such purpose. The Company will use its reasonable best efforts to prevent the issuance of any such stop order or the occurrence of any such suspension or objection to the use of the Registration Statement and, upon such issuance, occurrence or notice of objection, to obtain as soon as reasonably possible the withdrawal of such stop order or relief from such occurrence or objection, including, if necessary, by filing an amendment to the Registration Statement or a new registration statement and using its reasonable best efforts to have such amendment or new registration statement declared effective as soon as reasonably practicable.

(b) If, at any time prior to the filing of the Prospectus pursuant to Rule 424(b), any event occurs as a result of which the Disclosure Package would include any untrue statement of a material fact or omit to state any material fact necessary to make the statements therein in the light of the circumstances under which they were made or the circumstances then prevailing not misleading, the Company will (i) notify promptly the

Representatives so that any use of the Disclosure Package may cease until it is amended or supplemented; (ii) amend or supplement the Disclosure Package to correct such statement or omission; and (iii) supply any amendment or supplement to you in such quantities as you may reasonably request.

(c) If, at any time when a prospectus relating to the Securities is required to be delivered under the Act (including in circumstances where such requirement may be satisfied pursuant to Rule 172), any event occurs as a result of which the Prospectus as then supplemented would include any untrue statement of a material fact or omit to state any material fact necessary to make the

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statements therein in the light of the circumstances under which they were made at such time not misleading, or if it shall be necessary to amend the Registration Statement or supplement the Prospectus to comply with the Act or the rules thereunder, the Company promptly will (i) notify the Representatives of any such event; (ii) prepare and file with the Commission, subject to the second sentence of paragraph (a) of this Section 5, an amendment or supplement which will correct such statement or omission or effect such compliance; and (iii) supply any supplemented Prospectus to you in such quantities as you may reasonably request.

(d) As soon as reasonably practicable, the Company will make generally available to its security holders and to the Representatives an earnings statement or statements of the Company and its subsidiaries which will satisfy the provisions of Section 11(a) of the Act and Rule 158.

(e) The Company will furnish to the Representatives and counsel for the Underwriters, without charge, signed copies of the Registration Statement (including exhibits thereto) and to each other Underwriter a copy of the Registration Statement (without exhibits thereto) and, so long as delivery of a prospectus by an Underwriter or dealer may be required by the Act (including in circumstances where such requirement may be satisfied pursuant to Rule 172), as many copies of each Preliminary Prospectus, the Prospectus and each Issuer Free Writing Prospectus and any supplement thereto as the Representatives may reasonably request. The Company will pay the reasonable expenses of printing or other production of all documents relating to the offering.

(f) The Company will use its reasonable best efforts to arrange, if necessary, for the qualification of the Securities for sale under the laws of such jurisdictions as the Representatives may designate and will maintain such qualifications in effect so long as required for the distribution of the Securities; provided that in no event shall the Company be obligated to qualify to do business in any jurisdiction where it is not now so qualified, to subject itself to taxation in any jurisdiction wherein it is not so subject or to take any action that would subject it to service of process in suits, other than those arising out of the offering or sale of the Securities, in any jurisdiction where it is not now so subject.

(g) The Company will not take, directly or indirectly, any action designed to or that would constitute or that might reasonably be expected to cause or result in, under the Exchange Act or otherwise, stabilization or manipulation of the price of any security of the Company to facilitate the sale or resale of the Securities.

(h) The Company agrees to pay or cause to be paid the costs and expenses relating to the following matters: (i) the preparation, printing or reproduction and filing with the Commission of the Registration Statement (including financial statements and exhibits thereto), each Preliminary Prospectus, the Prospectus and each Issuer Free Writing Prospectus, and each amendment or

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supplement to any of them; (ii) the printing (or reproduction) and delivery (including postage, air freight charges and charges for counting and packaging) of such copies of the Registration Statement, each Preliminary Prospectus, the Prospectus and each Issuer Free Writing Prospectus, and all amendments or supplements to any of them, as may, in each case, be reasonably requested for use in connection with the offering and sale of the Securities; (iii) the preparation, printing, authentication, issuance and delivery of certificates for the Securities; (iv) the printing (or reproduction) and delivery of this Agreement, any blue sky memorandum and all other agreements or documents printed (or reproduced) and delivered in connection with the offering of the Securities; (v) the registration of the Securities under the Exchange Act and the listing of the Securities on the NASDAQ Global Select Market ("NASDAQ"); (vi) any registration or qualification of the Securities for offer and sale under the securities or blue sky laws of the several states (including filing fees and the reasonable fees and expenses of counsel for the Underwriters relating to such registration and qualification); (vii) any filings required to be made with the Financial Industry Regulatory Authority (including filing fees and the reasonable fees and expenses of counsel for the Underwriters relating to such filings); (viii) the transportation and other expenses incurred by or on behalf of Company representatives in connection with presentations to prospective purchasers of the Securities; (ix) the fees and expenses of the Company's accountants and the fees and expenses of counsel (including local and special counsel) for the Company; and (x) all other costs and expenses incidental to the performance by the Company of its obligations hereunder which are not otherwise specifically provided for in this clause (h).

(i) The Company agrees that, unless it has or shall have obtained the prior written consent of the Representatives, and each Underwriter, severally and not jointly, agrees with the Company that, unless it has or shall have obtained, as the case may be, the prior written consent of the Company, it has not made and will not make any offer relating to the Securities that would constitute an Issuer Free Writing Prospectus or that would otherwise constitute a Free Writing Prospectus required to be filed by the Company with the Commission or retained by the Company under Rule 433; provided that the prior written consent of the parties hereto shall be deemed to have been given in respect of the Free Writing Prospectuses included in Schedule III hereto and any electronic road show. Any such free writing prospectus consented to by the Representatives or the Company is hereinafter referred to as a "Permitted Free Writing Prospectus." The Company agrees that (x) it has treated and will treat, as the case may be, each Permitted Free Writing Prospectus as an Issuer Free Writing Prospectus and (y) it has complied and will comply, as the case may be, with the requirements of Rules 164 and 433 applicable to any Permitted Free Writing Prospectus, including in respect of timely filing with the Commission, legending and record keeping.

(j) Each Underwriter, severally and not jointly, agrees with the Company that it has not made and will not make any offer relating to the Securities that would constitute a public offer of such Securities in any jurisdiction, other than the United States, where action for that purpose is required and otherwise to comply with any selling restriction set forth in the Prospectus.

6. Conditions to the Obligations of the Underwriters. The obligations of the Underwriters to purchase the Securities, as the case may be, shall be subject to the accuracy of the representations and warranties on the part of the Company contained

herein as of the Execution Time, the Closing Date and any settlement date pursuant to Section 3 hereof, to the accuracy of the statements of the Company made in any certificates pursuant to the provisions hereof, to the performance by the Company of their respective obligations hereunder and to the following additional conditions:

- (a) The Prospectus, and any supplement thereto, have been filed in the manner and within the time period required by Rule 424(b); any material required to be filed by the Company pursuant to Rule 433(d) under the Act shall have been filed with the Commission within the applicable time periods prescribed for such filings by Rule 433; and no stop order suspending the effectiveness of the Registration Statement or any notice objecting to its use shall have been issued and no proceedings for that purpose shall have been instituted or threatened.
- (b) The Company shall have requested and caused [Name], counsel for the Company, to have furnished to the Representatives their opinion, dated the Closing Date and addressed to the Representatives, as set forth in Exhibit B.
- (c) The Company shall have requested and caused [Name], Irish counsel for the Company, to have furnished to the Representatives their opinion, dated the Closing Date and addressed to the Representatives, as set forth in Exhibit C.
- (d) The Representatives shall have received from [Name], counsel for the Underwriters, such opinion or opinions, dated the Closing Date and addressed to the Representatives, with respect to the issuance and sale of the Securities, the Registration Statement, the Disclosure Package, the Prospectus (together with any supplement thereto) and other related matters as the Representatives may reasonably require, and the Company shall have furnished to such counsel such documents as they reasonably request for the purpose of enabling them to pass upon such matters.
- (e) The Company shall have furnished to the Representatives a certificate of the Company, signed by the President or the principal financial officer or secretary of the Company, dated the Closing Date, to the effect that the signers of such certificate have carefully examined the Registration Statement, the Disclosure Package, the Prospectus and any amendment or supplement thereto, as well as each electronic road show used in connection with the offering of the Securities, and this Agreement and that:
 - (i) the representations and warranties of the Company in this Agreement are true and correct on and as of the Closing Date with the same effect as if made on the Closing Date and the Company has complied with all the agreements and satisfied all the conditions on its part to be performed or satisfied at or prior to the Closing Date;
 - (ii) no stop order suspending the effectiveness of the Registration Statement or any notice objecting to its use has been issued

and no proceedings for that purpose have been instituted or, to the Company's knowledge, threatened; and

- (iii) since the date of the most recent financial statements included in the Disclosure Package and the Prospectus (exclusive of any supplement thereto), there has been no material adverse effect on the condition (financial or otherwise), prospects, earnings, business or properties of the Company and its subsidiaries, taken as a whole, whether or not arising from transactions in the ordinary course of business, except as set forth in or contemplated in the Disclosure Package and the Prospectus (exclusive of any supplement thereto).
- (f) The Company shall have requested and caused [] to have furnished to the Representatives at the Execution Time and at the Closing Date, letters, dated respectively as of the Execution Time and as of the Closing Date, in form and substance satisfactory to the Representatives, confirming that they are independent accountants within the meaning of the Act and the Exchange Act and the applicable rules and regulations adopted by the Commission thereunder and that they have performed a review of the financial information of the Company for the [relevant periods], in accordance with Statement on Auditing Standards No. 100, as set forth in Exhibit D.
- (g) Subsequent to the Execution Time or, if earlier, the dates as of which information is given in the Registration Statement (exclusive of any amendment thereof after the Execution Time) and the Prospectus (exclusive of any amendment or supplement thereto), there shall not have been (i) any change or decrease specified in the letter or letters referred to in paragraph (f) of this Section 6 or (ii) any change, or any development involving a prospective change, in or affecting the condition (financial or otherwise), earnings, business or properties of the Company and its subsidiaries, taken as a whole, whether or not arising from transactions in the ordinary course of business, except as set forth in or contemplated in the Disclosure Package and the Prospectus (exclusive of any amendment or supplement thereto) the effect of which, in any case referred to in clause (i) or (ii) above, is, in the sole judgment of the Representatives, so material and adverse as to make it impractical or inadvisable to proceed with the offering or delivery of the Securities as contemplated by the Registration Statement (exclusive of any amendment thereof), the Disclosure Package and the Prospectus (exclusive of any amendment or supplement thereto).
- (h) [Subsequent to the Execution Time, there shall not have been any decrease in the rating of any of the Company's debt securities by any "nationally recognized statistical rating organization" (as defined for purposes of Rule 436(g)) or any notice given of any intended or potential decrease in any such rating or of a possible change in any such rating that does not indicate the direction of the possible change.]

- (i) Prior to the Closing Date, the Company shall have furnished to the Representatives such further information, certificates and documents as the Representatives may reasonably request.

(j) [The [Ordinary Shares] [Preferred Shares] shall have been listed and admitted and authorized for trading on NASDAQ, and satisfactory evidence of such actions shall have been provided to the Representatives.]

If any of the conditions specified in this Section 6 shall not have been fulfilled when and as provided in this Agreement, or if any of the opinions and certificates mentioned above or elsewhere in this Agreement shall not be reasonably satisfactory in form and substance to the Representatives and counsel for the Underwriters, this Agreement and all obligations of the Underwriters hereunder may be canceled at, or at any time prior to, the Closing Date by the Representatives. Notice of such cancellation shall be given to the Company in writing or by telephone or facsimile confirmed in writing.

The documents required to be delivered by this Section 6 shall be delivered at the office of [Name], counsel for the Underwriters, at [Address], on the Closing Date.

7. Reimbursement of Underwriters' Expenses. If the sale of the Securities provided for herein is not consummated because any condition to the obligations of the Underwriters set forth in Section 6 hereof is not satisfied or because of any refusal, inability or failure on the part of the Company to perform any agreement herein or comply with any provision hereof other than by reason of a default by any of the Underwriters, the Company will reimburse, or cause the reimbursement of, the Underwriters severally through [Name(s) of Underwriter(s)] on demand for all expenses (including reasonable fees and disbursements of counsel) that shall have been incurred by them in connection with the proposed purchase and sale of the Securities.

8. Indemnification and Contribution. (a) The Company agrees to indemnify and hold harmless, or cause to indemnify and hold harmless, each Underwriter, the directors, officers, employees and agents of each Underwriter and each person who controls any Underwriter within the meaning of either the Act or the Exchange Act against any and all losses, claims, damages or liabilities, joint or several, to which they or any of them may become subject under the Act, the Exchange Act or other Federal or state statutory law or regulation, at common law or otherwise, insofar as such losses, claims, damages or liabilities (or actions in respect thereof) arise out of or are based upon any untrue statement or alleged untrue statement of a material fact contained in the registration statement for the registration of the Securities as originally filed or in any amendment thereof, or in any Preliminary Prospectus, the Prospectus or any Issuer Free Writing Prospectus or in any amendment thereof or supplement thereto, or arise out of or are based upon the omission or alleged omission to state therein a material fact required to be stated therein or necessary to make the statements therein not misleading, and agrees to reimburse, or cause to be reimbursed, each such indemnified party, as incurred, for any legal or other expenses reasonably incurred

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by them in connection with investigating or defending any such loss, claim, damage, liability or action; provided, however, that the Company will not be liable in any such case to the extent that any such loss, claim, damage or liability arises out of or is based upon any such untrue statement or alleged untrue statement or omission or alleged omission made therein in reliance upon and in conformity with written information furnished to the Company by or on behalf of any Underwriter through the Representatives specifically for inclusion therein. This indemnity agreement will be in addition to any liability which the Company may otherwise have.

(b) Each Underwriter severally and not jointly agrees to indemnify and hold harmless the Company, each of its directors, each of its officers who signs the Registration Statement, and each person who controls the Company within the meaning of either the Act or the Exchange Act, to the same extent as the foregoing indemnity to each Underwriter, but only with reference to written information relating to such Underwriter furnished to the Company by or on behalf of such Underwriter through the Representatives specifically for inclusion in the documents referred to in the foregoing indemnity. This indemnity agreement will be in addition to any liability which any Underwriter may otherwise have. The Company acknowledges that the statements set forth in _____ in the Preliminary Prospectus and the Prospectus constitute the only information furnished in writing by or on behalf of the several Underwriters for inclusion in the Preliminary Prospectus, the Prospectus or any Issuer Free Writing Prospectus.

(c) Promptly after receipt by an indemnified party under this Section 8 of notice of the commencement of any action, such indemnified party will, if a claim in respect thereof is to be made against the indemnifying party under this Section 8, notify the indemnifying party in writing of the commencement thereof; but the failure so to notify the indemnifying party (i) will not relieve it from liability under paragraph (a) or (b) above unless and to the extent it did not otherwise learn of such action and such failure results in the forfeiture by the indemnifying party of substantial rights and defenses and (ii) will not, in any event, relieve the indemnifying party from any obligations to any indemnified party other than the indemnification obligation provided in paragraph (a) or (b) above. The indemnifying party shall be entitled to appoint counsel of the indemnifying party's choice at the indemnifying party's expense to represent the indemnified party in any action for which indemnification is sought (in which case the indemnifying party shall not thereafter be responsible for the fees and expenses of any separate counsel retained by the indemnified party or parties except as set forth below); provided, however, that such counsel shall be satisfactory to the indemnified party. Notwithstanding the indemnifying party's election to appoint counsel to represent the indemnified party in an action, the indemnified party shall have the right to employ separate counsel (including local counsel), and the indemnifying party shall bear the reasonable fees, costs and expenses of such separate counsel if (i) the use of counsel chosen by the indemnifying party to represent the indemnified party would present such counsel with a conflict of interest, (ii) the actual or potential defendants in, or targets of,

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any such action include both the indemnified party and the indemnifying party and the indemnified party shall have reasonably concluded that there may be legal defenses available to it and/or other indemnified parties which are different from or additional to those available to the indemnifying party, (iii) the indemnifying party shall not have employed counsel satisfactory to the indemnified party to represent the indemnified party within a reasonable time after notice of the institution of such action or (iv) the indemnifying party shall authorize the indemnified party to employ separate counsel at the expense of the indemnifying party. An indemnifying party will not, without the prior written consent of the indemnified parties, settle or compromise or consent to the entry of any judgment with respect to any pending or threatened claim, action, suit or proceeding in respect of which indemnification or contribution may be sought hereunder (whether or not the indemnified parties are actual or potential parties to such claim or action) unless such settlement, compromise or consent includes an unconditional release of each indemnified party from all liability arising out of such claim, action, suit or proceeding.

(d) In the event that the indemnity provided in paragraph (a) or (b) of this Section 8 is unavailable to or insufficient to hold harmless an indemnified party for any reason, the Company and the Underwriters severally agree to contribute, or, in the case of the Company, cause to be

contributed to the aggregate losses, claims, damages and liabilities (including legal or other expenses reasonably incurred in connection with investigating or defending the same) (collectively "Losses") to which the Company and one or more of the Underwriters may be subject in such proportion as is appropriate to reflect the relative benefits received by the Company on the one hand and by the Underwriters on the other from the offering of the Securities. If the allocation provided by the immediately preceding sentence is unavailable for any reason, the Company and the Underwriters severally shall contribute, or, in the case of the Company, cause to be contributed in such proportion as is appropriate to reflect not only such relative benefits but also the relative fault of the Company on the one hand and of the Underwriters on the other in connection with the statements or omissions which resulted in such Losses as well as any other relevant equitable considerations. Benefits received by the Company shall be deemed to be equal to the total net proceeds from the offering (before deducting expenses) received by each of them, and benefits received by the Underwriters shall be deemed to be equal to the total underwriting discounts and commissions, in each case as set forth on the cover page of the Prospectus. Relative fault shall be determined by reference to, among other things, whether any untrue or any alleged untrue statement of a material fact or the omission or alleged omission to state a material fact relates to information provided by the Company on the one hand or the Underwriters on the other, the intent of the parties and their relative knowledge, access to information and opportunity to correct or prevent such untrue statement or omission. The

Company and the Underwriters agree that it would not be just and equitable if contribution were determined by pro rata allocation or any other method of allocation which does not take account of the equitable considerations referred to above. Notwithstanding the provisions of this paragraph (d), no person guilty of fraudulent misrepresentation (within the meaning of Section 11(f) of the Act) shall be entitled to contribution from any person who was not guilty of such fraudulent misrepresentation. For purposes of this Section 8, each person who controls an Underwriter within the meaning of either the Act or the Exchange Act and each director, officer, employee and agent of an Underwriter shall have the same rights to contribution as such Underwriter, and each person who controls the Company within the meaning of either the Act or the Exchange Act, each officer of the Company who shall have signed the Registration Statement and each director of the Company shall have the same rights to contribution as the Company, subject in each case to the applicable terms and conditions of this paragraph (d).

9. Default by an Underwriter. If any one or more Underwriters shall fail to purchase and pay for any of the Securities agreed to be purchased by such Underwriter or Underwriters hereunder and such failure to purchase shall constitute a default in the performance of its or their obligations under this Agreement, the remaining Underwriters shall be obligated severally to take up and pay for (in the respective proportions which the amount of Securities set forth opposite their names in Schedule I hereto bears to the aggregate amount of Securities set forth opposite the names of all the remaining Underwriters) the Securities which the defaulting Underwriter or Underwriters agreed but failed to purchase; provided, however, that in the event that the aggregate amount of Securities which the defaulting Underwriter or Underwriters agreed but failed to purchase shall exceed 10% of the aggregate amount of Securities set forth in Schedule I hereto, the remaining Underwriters shall have the right to purchase all, but shall not be under any obligation to purchase any, of the Securities, and if such nondefaulting Underwriters do not purchase all the Securities, this Agreement will terminate without liability to any nondefaulting Underwriter or the Company. In the event of a default by any Underwriter as set forth in this Section 9, the Closing Date shall be postponed for such period, not exceeding five Business Days, as the Representatives shall determine in order that the required changes in the Registration Statement and the Prospectus or in any other documents or arrangements may be effected. Nothing contained in this Agreement shall relieve any defaulting Underwriter of its liability, if any, to the Company and any nondefaulting Underwriter for damages occasioned by its default hereunder.

10. Termination. This Agreement shall be subject to termination in the absolute discretion of the Representatives, by notice given to the Company prior to delivery of and payment for the Securities, if at any time prior to such delivery and payment (i) trading in the Company's Ordinary Shares shall have been suspended by the Commission or NASDAQ or trading in securities generally on the New York Stock Exchange or NASDAQ shall have been suspended or limited or minimum prices shall have been established on either of such exchanges, (ii) a banking moratorium shall have

been declared either by Federal or New York State authorities or (iii) there shall have occurred any outbreak or escalation of hostilities, declaration by the United States of a national emergency or war, or other calamity or crisis the effect of which on financial markets is such as to make it, in the reasonable judgment of the Representatives, impractical or inadvisable to proceed with the offering or delivery of the Securities as contemplated by the Preliminary Prospectus or the Prospectus (exclusive of any amendment or supplement thereto).

11. Representations and Indemnities to Survive. The respective agreements, representations, warranties, indemnities and other statements of the Company or its officers and of the Underwriters set forth in or made pursuant to this Agreement will remain in full force and effect, regardless of any investigation made by or on behalf of any Underwriter or the Company or any of the officers, directors, employees, agents or controlling persons referred to in Section 8 hereof, and will survive delivery of and payment for the Securities. The provisions of Sections 7 and 8 hereof shall survive the termination or cancellation of this Agreement.

12. Notices. All communications hereunder will be in writing and effective only on receipt, and, if sent to the Representatives, will be mailed, delivered or telefaxed to [Names and Addresses of Underwriters] or, if sent to the Company, will be mailed, delivered or telefaxed to [Names and Addresses of Company].

13. Successors. This Agreement will inure to the benefit of and be binding upon the parties hereto and their respective successors and the officers, directors, employees, agents and controlling persons referred to in Section 8 hereof, and no other person will have any right or obligation hereunder.

14. No Fiduciary Duty. The Company hereby acknowledges that (a) the purchase and sale of the Securities pursuant to this Agreement is an arm's-length commercial transaction between the Company, on the one hand, and the Underwriters and any affiliate through which it may be acting, on the other, (b) the Underwriters are acting as principal and not as an agent or fiduciary of the Company and (c) the Company's engagement of the Underwriters in connection with the offering and the process leading up to the offering is as independent contractors and not in any other capacity. Furthermore, the Company agrees that it is solely responsible for making its own judgments in connection with the offering (irrespective of whether any of the Underwriters has advised or is currently advising the Company on related or other matters). The Company agrees that it will not claim that the Underwriters have rendered advisory services of any nature or respect, or owe an agency, fiduciary or similar duty to the Company, in connection with such transaction or the process leading thereto.

15. Integration. This Agreement supersedes all prior agreements and understandings (whether written or oral) between the Company and the Underwriters, or any of them, with respect to the subject matter hereof.

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16. Applicable Law. This Agreement will be governed by and construed in accordance with the laws of the State of New York applicable to contracts made and to be performed within the State of New York.

17. Waiver of Jury Trial. The Company hereby irrevocably waives, to the fullest extent permitted by applicable law, any and all right to trial by jury in any legal proceeding arising out of or relating to this Agreement or the transactions contemplated hereby.

18. Submission to Jurisdiction; Service of Process. Each of the parties hereto irrevocably (i) agrees that any legal suit, action or proceeding against the Company brought by any Underwriter or by any person who controls any Underwriter arising out of or based upon this Agreement or the transactions contemplated hereby may be instituted in any New York court, (ii) waives, to the fullest extent it may effectively do so, any objection which it may now or hereafter have to the laying of venue of any such proceeding and any other requirements of or objections to personal jurisdiction with respect thereto and (iii) expressly submits to the exclusive jurisdiction of such courts in any such suit, action or proceeding. The Company hereby appoints _____ as its authorized agent (the "Authorized Agent") upon whom process may be served in any such action arising out of or based on this Agreement or the transactions contemplated hereby which may be instituted in any New York court by any Underwriter or by any person who controls any Underwriter. Such appointment shall be irrevocable. Service of process upon the Authorized Agent and written notice of such service to the Company shall be deemed, in every respect, effective service of process upon the Company.

19. Judgment Currency. In respect of any judgment or order given or made for any amount due hereunder that is expressed and paid in a currency (the "judgment currency") other than United States dollars, the Company will indemnify, or cause to be indemnified, each Underwriter against any loss incurred by such Underwriter as a result of any variation as between (i) the rate of exchange at which the United States dollar amount is converted into the judgment currency for the purpose of such judgment or order and (ii) the rate of exchange at which an Underwriter is able to purchase United States dollars with the amount of the judgment currency actually received by such Underwriter. The foregoing indemnity shall constitute a separate and independent obligation of the Company and shall continue in full force and effect notwithstanding any such judgment or order as aforesaid. The term "rate of exchange" shall include any premiums and costs of exchange payable in connection with the purchase of or conversion into United States dollars.

20. Counterparts. This Agreement may be signed in one or more counterparts, each of which shall constitute an original and all of which together shall constitute one and the same agreement.

21. Headings. The section headings used herein are for convenience only and shall not affect the construction hereof.

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22. Definitions. The terms that follow, when used in this Agreement, shall have the meanings indicated.

"Act" shall mean the Securities Act of 1933, as amended, and the rules and regulations of the Commission promulgated thereunder.

"Base Prospectus" shall mean the base prospectus referred to in paragraph 1(a) above contained in the Registration Statement at the Execution Time.

"Business Day" shall mean any day other than a Saturday, a Sunday or a legal holiday or a day on which banking institutions or trust companies are authorized or obligated by law to close in New York City.

"Commission" shall mean the Securities and Exchange Commission.

"Disclosure Package" shall mean (i) the Base Prospectus, (ii) the Preliminary Prospectus used most recently prior to the Execution Time, (ii) the Issuer Free Writing Prospectuses, if any, identified in Schedule III hereto, and (iii) any other Free Writing Prospectus that the parties hereto shall hereafter expressly agree in writing to treat as part of the Disclosure Package.

"Effective Date" shall mean each date and time that the Registration Statement, any post-effective amendment or amendments thereto and any Rule 462(b) Registration Statement became or becomes effective.

"Exchange Act" shall mean the Securities Exchange Act of 1934, as amended, and the rules and regulations of the Commission promulgated thereunder.

"Execution Time" shall mean the date and time that this Agreement is executed and delivered by the parties hereto.

"Free Writing Prospectus" shall mean a free writing prospectus, as defined in Rule 405.

"Issuer Free Writing Prospectus" shall mean an issuer free writing prospectus, as defined in Rule 433.

"Material Subsidiary" shall mean any of _____.

"Preliminary Prospectus" shall mean any preliminary prospectus supplement to the Base Prospectus referred to in paragraph 1(a) above which is used prior to the filing of the Prospectus, together with the Base Prospectus.

"Prospectus" shall mean the prospectus supplement relating to the Securities that is first filed pursuant to Rule 424(b) after the Execution Time, together with the Base Prospectus.

“Registration Statement” shall mean the registration statement referred to in paragraph 1(a) above, including exhibits and financial statements and any prospectus supplement relating to the Securities that is filed with the Commission pursuant to Rule 424(b) and deemed part of such registration statement pursuant to Rule 430B, as amended at the Execution Time and, in the event any post-effective amendment thereto or any Rule 462(b) Registration Statement becomes effective prior to the Closing Date, shall also mean such registration statement as so amended or such Rule 462(b) Registration Statement, as the case may be.

“Rule 158”, “Rule 163”, “Rule 164”, “Rule 172”, “Rule 405”, “Rule 415”, “Rule 424”, “Rule 430B”, “Rule 433”, and “Rule 436” refer to such rules under the Act.

“Rule 462(b) Registration Statement” shall mean a registration statement and any amendments thereto filed pursuant to Rule 462(b) relating to the offering covered by the registration statement referred to in Section 1(a) hereof.

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If the foregoing is in accordance with your understanding of our agreement, please sign and return to us the enclosed duplicate hereof, whereupon this letter and your acceptance shall represent a binding agreement among the Company and the several Underwriters.

Very truly yours,

Alkermes plc

By: _____

Name: _____

Title: _____

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The foregoing Agreement is hereby confirmed and accepted as of the date first above written.

For themselves and the other several Underwriters named in Schedule I to the foregoing Agreement.

[Names of Underwriters]

By: _____
 Name: _____
 Title: _____

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SCHEDULE I

Underwriters	Number of Securities to be Purchased
[Names of Underwriters]	\$ []
Total	_____

SCHEDULE II

General terms of the Securities

SCHEDULE III

Schedule of Free Writing Prospectuses included in the Disclosure Package



INDENTURE

Dated as of

[Date]

Between

ALKERMES PLC,

as Company

and

[TRUSTEE],

as Trustee

DEBT SECURITIES

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INDENTURE dated as of [Date], between ALKERMES PLC, a corporation incorporated under the laws of the Republic of Ireland (the “Company”), and [TRUSTEE], a [national banking association], as trustee (the “Trustee”).

WITNESSETH:

WHEREAS, the Company has duly authorized the execution and delivery of this Indenture to provide for the issuance of debentures, notes, bonds or other evidences of indebtedness (the “Securities”) in an unlimited aggregate principal amount to be issued from time to time in one or more series as provided in this Indenture; and

WHEREAS, all things necessary to make this Indenture a valid and legally binding agreement of the Company, in accordance with its terms, have been done.

NOW, THEREFORE, THIS INDENTURE WITNESSETH:

That, in consideration of the premises and the purchase of the Securities by the Holders (as defined below) thereof for the equal and proportionate benefit of all of the present and future Holders of the Securities, each party agrees and covenants as follows:

ARTICLE I

DEFINITIONS

Section 1.01 Definitions.

(a) Unless otherwise defined in this Indenture or the context otherwise requires, all terms used herein shall have the meanings assigned to them in the Trust Indenture Act.

(b) Unless the context otherwise requires, the terms defined in this Section 1.01(b) shall for all purposes of this Indenture have the meanings hereinafter set forth, the following definitions to be equally applicable to both the singular and the plural forms of any of the terms herein defined:

“Affiliate” means, with respect to any specified Person, any other Person directly or indirectly controlling or controlled by or under direct or indirect common control with such specified Person. For the purposes of this definition, “control” when used with respect to any specified Person means the power to direct the management and policies of such Person, directly or indirectly, whether through the ownership of voting securities, by contract or otherwise; and the terms “controlling” and “controlled” have meanings correlative to the foregoing.

“Authenticating Agent” has the meaning provided in Section 11.09.

“Bankruptcy Code” means Title 11 of the United States Code.

“Board of Directors” means either the board of directors of the Company or the executive or any other committee of that board duly authorized to act in respect hereof.

“Board Resolution” means a copy of a resolution or resolutions certified by the Secretary or an Assistant Secretary of the Company to have been duly adopted by the Board of Directors and to be in full force and effect on the date of such certification and delivered to the Trustee.

“Business Day” means, when used with respect to any Place of Payment or any other particular location referred to in this Indenture or in the Securities, any day except a Saturday, Sunday or any other day on which commercial banks in such Place of Payment or other location are authorized or obligated by law or executive order to close.

“Capital Stock” means:

(1) in the case of a corporation, corporate stock;

(2) in the case of an association or business entity, any and all shares, interests, participations, rights or other equivalents (however designated) of corporate stock;

(3) in the case of a partnership or limited liability company, partnership interests (whether general or limited) or membership interests; and

(4) any other interest or participation that confers on a Person the right to receive a share of the profits and losses of, or distributions of assets of, the issuing Person, but excluding from all of the foregoing any debt securities convertible into Capital Stock, whether or not such debt securities include any right of participation with Capital Stock.

“Code” means the Internal Revenue Code of 1986 as in effect on the date hereof.

“Company” means the Person named as the “Company” in the recitals, until a successor Person shall have become such pursuant to the applicable provisions of this Indenture, and thereafter “Company” shall mean such successor Person.

“Company Order” means a written request or order signed in the name of the Company by the Chairman of the Board of Directors, Chief Executive Officer, Chief Financial Officer, President, Senior Vice President, Vice President, Treasurer, Assistant Treasurer, Controller, Assistant Controller, Secretary or Assistant Secretary of the Company, and delivered to the Trustee.

“Corporate Trust Office,” or other similar term, means the principal office of the Trustee at which at any particular time its corporate trust business shall be administered, which office at the date hereof is located at [], Attention: [], or such other address as the Trustee may designate from time to time by notice to the Holders and the Company, or the principal corporate trust officer of any successor Trustee (or such other address as such successor Trustee may designate from time to time by notice to the Holders and the Company).

“Currency” means U.S. Dollars or Foreign Currency.

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“Currency Determination Agent” has the meaning provided in Section 3.11(d).

“Default” has the meaning provided in Section 11.03.

“Defaulted Interest” has the meaning provided in Section 3.08(b).

“Depository” means, with respect to the Securities of any series issuable in whole or in part in the form of one or more Global Securities, the Person designated as Depository by the Company pursuant to Section 3.01 until a successor Depository shall have become such pursuant to the applicable provisions of this Indenture, and thereafter “Depository” shall mean or include each Person who is then a Depository hereunder, and if at any time there is more than one such Person, “Depository” as used with respect to the Securities of any such series shall mean the Depository with respect to the Securities of that series.

“Designated Currency” has the meaning provided in Section 3.11.

“Discharged” has the meaning provided in Section 12.03.

“Event of Default” has the meaning provided in Section 7.01.

“Exchange Act” means the Securities Exchange Act of 1934.

“Exchange Rate” has the meaning provided in Section 3.11(d).

“Floating Rate Security” means a Security that provides for the payment of interest at a variable rate determined periodically by reference to an interest rate index specified pursuant to Section 3.01.

“Foreign Currency” means a currency issued by the government of any country other than the United States or a composite currency, the value of which is determined by reference to the values of the currencies of any group of countries.

“GAAP” means, with respect to any computation required or permitted hereunder, shall mean (i) generally accepted accounting principles in effect in the United States as in effect from time to time, including, without limitation, those set forth in the opinions and pronouncements of the Accounting Principles Board of the American Institute of Certified Public Accountants and statements and pronouncements of the Financial Accounting Standards Board or in such other statements by such other entity as approved by a significant segment of the accounting profession or (ii) such other generally accepted accounting principles as the Company may in the future adopt for purposes of financial statement reporting.

“Global Security” means any Security that evidences all or part of a series of Securities, issued in fully-registered certificated form to the Depository for such series in accordance with Section 3.03 and bearing the legend prescribed in Section 3.03(g).

“Government Obligations” means securities that are (i) direct obligations of the United States for the payment of which its full faith and credit is pledged or (ii) obligations of a Person controlled or supervised by and acting as an agency or instrumentality of the United

States the timely payment of which is unconditionally guaranteed as a full faith and credit obligation by the United States, that, in either case under clauses (i) or (ii) are not callable or redeemable at the option of the issuer thereof, and shall also include a depository receipt issued by a bank or trust company as custodian with respect to any such Government Obligation or a specific payment of interest on or principal of any such Government Obligation held by such custodian for the account of the holder of a depository receipt; provided that (except as required by law) such custodian is not authorized to make any deduction from the amount payable to the holder of such depository receipt from any amount received by the custodian in respect of the Government Obligation or the specific payment of interest on or principal of the Government Obligation evidenced by such depository receipt.

“Holder,” “Holder of Securities,” “Securityholder” or other similar terms mean the Person in whose name Securities shall be registered in the Register.

“Indebtedness” means any and all obligations of a Person for money borrowed which, in accordance with GAAP, would be reflected on the balance sheet of such Person as a liability on the date as of which Indebtedness is to be determined.

“Indenture” means this instrument and all indentures supplemental hereto entered into pursuant to the applicable provisions hereof and shall include the terms of particular series of Securities established as contemplated by Section 3.01.

“Interest Payment Date” means, with respect to any Security, the Stated Maturity of an installment of interest on such Security.

“Mandatory Sinking Fund Payment” has the meaning provided in Section 5.01(b).

“Maturity” means, with respect to any Security, the date on which the principal of such Security shall become due and payable as therein and herein provided, whether by declaration, call for redemption or otherwise.

“Members” has the meaning provided in Section 3.03(i).

“Notice of Default” has the meaning provided in Section 7.01(d).

“Officer’s Certificate” means a certificate signed by any of the Chairman of the Board of Directors, Chief Executive Officer, President, Chief Financial Officer, Senior Vice President, Vice President, Treasurer, Assistant Treasurer, Controller, Assistant Controller, Secretary or Assistant Secretary of the Company, and delivered to the Trustee. Each such certificate shall include the statements provided for in Section 16.01 if and to the extent required by the provisions of such Section.

“Opinion of Counsel” means an opinion in writing signed by legal counsel who may be an employee of or counsel to the Company or who may be other counsel, reasonably acceptable to the Trustee, that meets the applicable requirements provided for in Section 16.01.

“Optional Sinking Fund Payment” has the meaning provided in Section 5.01(b).

“Original Issue Discount Security” means any Security that is issued with “original issue discount” within the meaning of Section 1273(a) of the Code and the regulations thereunder and any other Security designated by the Company as issued with original issue discount for United States federal income tax purposes.

“Outstanding” means, when used with respect to Securities, as of the date of determination, all Securities theretofore authenticated and delivered under this Indenture, except:

(1) Securities theretofore cancelled by the Trustee or delivered to the Trustee for cancellation;

(2) Securities or portions thereof for which payment or redemption money in the necessary amount has been theretofore deposited with the Trustee or any Paying Agent (other than the Company) in trust or set aside and segregated in trust by the Company (if the Company shall act as its own Paying Agent) for the Holders of such Securities or Securities as to which the Company’s obligations have been Discharged; provided, however, that if such Securities or portions thereof are to be redeemed, notice of such redemption has been duly given pursuant to this Indenture or provision therefor satisfactory to the Trustee has been made; and

(3) Securities that have been paid pursuant to Section 3.07(b) or in exchange for or in lieu of which other Securities have been authenticated and delivered pursuant to this Indenture, other than any such Securities in respect of which there shall have been presented to a Responsible Officer of the Trustee proof satisfactory to it that such Securities are held by a protected purchaser in whose hands such Securities are valid obligations of the Company;

provided, however, that in determining whether the Holders of the requisite principal amount of Securities of a series Outstanding have performed any action (including the making of any demand or request, the giving of any notice, consent or waiver or the taking of any other action) hereunder, Securities owned by the Company or any other obligor upon the Securities of such series or any Affiliate of the Company or of such other obligor shall be disregarded and deemed not to be Outstanding unless the Company, such Affiliate or such other obligor owns all of such Securities), except that, in determining whether the Trustee shall be protected in relying upon any such action, only Securities of such series that a Responsible Officer of the Trustee actually knows to be so

owned shall be so disregarded. Securities so owned that have been pledged in good faith may be regarded as Outstanding if the pledgee establishes to the satisfaction of the Trustee the pledgee's right to act with respect to such Securities and that the pledgee is not the Company or any other obligor upon such Securities or any Affiliate of the Company or of such other obligor. In case of a dispute as to such right, the decision of the Trustee upon the advice of counsel shall be full protection to the Trustee. Upon request of the Trustee, the Company shall furnish to the Trustee promptly an Officer's Certificate listing and identifying all such Debt Securities, if any, known by the Company to be owned or held by or for the account of any of the above described Persons; and, subject to the provisions of Section 11.01, the Trustee shall be entitled to accept such Officer's Certificate as conclusive evidence of the facts therein set forth and of the fact that all such Debt Securities not listed therein are Outstanding for the purpose of any such determination. In determining whether the Holders of

the requisite principal amount of Outstanding Securities of a series have performed any action hereunder, the principal amount of an Original Issue Discount Security that shall be deemed to be Outstanding for such purpose shall be the amount of the principal thereof that would be due and payable as of the date of such determination upon a declaration of acceleration of the Maturity thereof pursuant to Section 7.02 and the principal amount of a Security denominated in a Foreign Currency that shall be deemed to be Outstanding for such purpose shall be the amount calculated pursuant to Section 3.11(b).

“Paying Agent” means any Person authorized by the Company to pay the principal of, premium, if any, or interest on any Securities on behalf of the Company. The Company may act as Paying Agent with respect to Securities of any series issued hereunder.

“Person” shall mean an individual, a corporation, a limited liability company, a partnership, an association, a joint stock company, a trust, an unincorporated organization or a government or an agency or political subdivision thereof.

“Place of Payment” has the meaning provided in Section 3.01(h).

“Predecessor Security” means, with respect to any Security, every previous Security evidencing all or a portion of the same debt as that evidenced by such particular Security, and, for the purposes of this definition, any Security authenticated and delivered under Section 3.07 in lieu of a lost, destroyed or stolen Security shall be deemed to evidence the same debt as the lost, destroyed or stolen Security.

“Record Date” means, with respect to any interest payable on any Security on any Interest Payment Date, the close of business on such date specified in such Security for the payment of interest pursuant to Section 3.01.

“Redemption Date” means, when used with respect to any Security to be redeemed, in whole or in part, the date fixed for such redemption by or pursuant to this Indenture and the terms of such Security, which, in the case of a Floating Rate Security, unless otherwise specified pursuant to Section 3.01, shall be an Interest Payment Date only.

“Redemption Price” means, when used with respect to any Security to be redeemed, in whole or in part, the price at which it is to be redeemed pursuant to the terms of the Security and this Indenture.

“Register” has the meaning provided in Section 3.05(a).

“Registrar” has the meaning provided in Section 3.05(a).

“Responsible Officer” means, with respect to the Trustee, any officer assigned to the [] unit (or any successor division or unit) of the Trustee located at the Corporate Trust Office of the Trustee, who shall have direct responsibility for the administration of this Indenture, and for purposes of Section 11.02(b)(ii) and Section 11.03 shall also include any other officer of the Trustee to whom any corporate trust matter is referred because of such officer's knowledge of and familiarity with the particular subject.

“SEC” means the Securities and Exchange Commission, as constituted from time to time.

“Securities Act” means the Securities Act of 1933.

“Security” or “Securities” means any Security or Securities, as the case may be, duly authenticated by the Trustee and delivered under this Indenture.

“Security Custodian” means the custodian with respect to any Global Security appointed by the Depository, or any successor Person thereto, and shall initially be the Paying Agent.

“Senior Indebtedness” means the principal of, premium, if any, or interest on (x) Indebtedness of the Company, whether outstanding on the date hereof or thereafter created, incurred, assumed or guaranteed, for money borrowed other than (a) any Indebtedness of the Company which when incurred, and without respect to any election under Section 1111(b) of the Bankruptcy Code, was without recourse to the Company, (b) any Indebtedness of the Company to any of its Subsidiaries, (c) Indebtedness to any employee of the Company, (d) any liability for taxes, (e) Trade Payables and (f) any Indebtedness of the Company which is expressly subordinate in right of payment to any other Indebtedness of the Company, and (y) renewals, extensions, modifications and refundings of any such Indebtedness. For purposes of the foregoing and the definition of “Senior Indebtedness,” the phrase “subordinated in right of payment” means debt subordination only and not lien subordination, and accordingly, (i) unsecured indebtedness shall not be deemed to be subordinated in right of payment to secured indebtedness merely by virtue of the fact that it is unsecured, and (ii) junior liens, second liens and other contractual arrangements that provide for priorities among Holders of the same or different issues of indebtedness with respect to any collateral or the proceeds of collateral shall not constitute subordination in right of payment. This definition may be modified or superseded by a supplemental indenture.

“Special Record Date” has the meaning provided in Section 3.08(b)(i).

“Stated Maturity” means, when used with respect to any Security or any installment of interest thereon, the date specified in such Security as the fixed date on which the principal (or any portion thereof) of or premium, if any, on such Security or such installment of interest is due and payable.

“Subsidiary” means, when used with respect to any Person:

(1) any corporation, limited liability company, association or other business entity of which more than 50% of the total voting power of shares of Capital Stock entitled (without regard to the occurrence of any contingency and after giving effect to any voting agreement or stockholders’ agreement that effectively transfers voting power) to vote in the election of directors, managers or trustees of the corporation, association or other business entity is at the time owned or controlled, directly or indirectly, by that Person or one or more of the other Subsidiaries of that Person (or a combination thereof); and

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(2) any partnership (i) the sole general partner or the managing general partner of which is such Person or a Subsidiary of such Person or (ii) the only general partners of which are that Person or one or more Subsidiaries of that Person (or any combination thereof).

“Successor Company” has the meaning provided in Section 3.06(i).

“Trade Payables” means accounts payable or any other Indebtedness or monetary obligations to trade creditors created or assumed by the Company or any Subsidiary of the Company in the ordinary course of business (including guarantees thereof or instruments evidencing such liabilities).

“Trust Indenture Act” or “TIA” means the Trust Indenture Act of 1939.

“Trustee” means the Person named as the “Trustee” in the first paragraph of this Indenture until a successor Trustee shall have become such with respect to one or more series of Securities pursuant to the applicable provisions of this Indenture, and thereafter “Trustee” shall mean or include each Person who is then a Trustee hereunder, and if at any time there is more than one such Person, “Trustee” as used with respect to the Securities of any series shall mean the Trustee with respect to Securities of that series.

“U.S. Dollars” or “\$” means such currency of the United States as at the time of payment shall be legal tender for the payment of public and private debts.

“United States” shall mean the United States of America (including the States and the District of Columbia), its territories and its possessions and other areas subject to its jurisdiction.

Section 1.02 Rules of Construction. For all purposes of this Indenture, except as otherwise expressly provided or unless the context otherwise requires:

(a) the words “herein”, “hereof” and “hereunder” and other words of similar import refer to this Indenture as a whole and not to any particular Article, Section or other subdivision;

(b) references to “Article” or “Section” or other subdivision herein are references to an Article, Section or other subdivision of the Indenture, unless the context otherwise requires; and

(c) references to any agreement, instrument or statute defined or referred to herein or in any instrument establishing the terms of any Securities (or executed in connection therewith) are references to such agreement, instrument or statute as from time to time amended, modified, supplemented or replaced, including (in the case of agreements or instruments) by waiver or consent and (in the case of statutes) by succession of comparable successor agreements, instruments or statutes.

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ARTICLE II

FORMS OF SECURITIES

Section 2.01 Form Generally.

(a) The Securities of each series shall be substantially in the form set forth in Exhibit A attached hereto or as shall be established pursuant to a Company Order or in one or more indentures supplemental hereto, in each case with such appropriate insertions, omissions, substitutions and other variations as are required or permitted by this Indenture, and may have such letters, numbers or other marks of identification or designation and such legends or endorsements placed thereon as the Company may deem appropriate and as are not inconsistent with the provisions of this Indenture, or as may be required to comply with any law or with any rule or regulation made pursuant thereto or with any rule or regulation of any securities exchange on which any series of the Securities may be listed or of any automated quotation system on which any such series may be quoted, or to conform to usage, all as determined by the officers executing such Securities as conclusively evidenced by their execution of such Securities.

(b) The terms and provisions of the Securities shall constitute, and are hereby expressly made, a part of this Indenture, and, to the extent applicable, the Company and the Trustee, by their execution and delivery of this Indenture expressly agree to such terms and provisions and to be bound thereby.

Section 2.02 Form of Trustee’s Certificate of Authentication.

(a) Only such of the Securities as shall bear thereon a certificate substantially in the form of the Trustee’s certificate of authentication hereinafter recited, executed by the Trustee by manual signature, shall be valid or become obligatory for any purpose or entitle the Holder thereof to any right

or benefit under this Indenture.

- (b) Each Security shall be dated the date of its authentication, except as otherwise specified as contemplated in Section 3.01.
- (c) The form of the Trustee's certificate of authentication to be borne by the Securities shall be substantially as follows:

TRUSTEE'S CERTIFICATE OF AUTHENTICATION

This is one of the Securities of the series designated therein referred to in the within-mentioned Indenture.

Date of authentication: _____ [NAME OF TRUSTEE],
as Trustee

By: _____
Authorized Signatory

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Section 2.03 Form of Trustee's Certificate of Authentication by an Authenticating Agent. If at any time there shall be an Authenticating Agent appointed with respect to any series of Securities, then the Trustee's certificate of authentication by such Authenticating Agent to be borne by Securities of each such series shall be substantially as follows:

TRUSTEE'S CERTIFICATE OF AUTHENTICATION

This is one of the Securities issued referred to in the within-mentioned Indenture.

Date of authentication: _____ [NAME OF TRUSTEE],
as Trustee

By: [NAME OF AUTHENTICATING AGENT]
as Authenticating Agent

By: _____
Authorized Signatory

ARTICLE III

THE DEBT SECURITIES

Section 3.01 Amount Unlimited; Issuable in Series. The aggregate principal amount of Securities which may be authenticated and delivered under this Indenture is unlimited. The Securities may be issued from time to time in one or more series. There shall be set forth in a Company Order or in one or more indentures supplemental hereto, prior to the issuance of Securities of any series:

- (a) the title of the Securities of the series (which shall distinguish the Securities of such series from the Securities of all other series, except to the extent that additional Securities of an existing series are being issued);
- (b) any limit upon the aggregate principal amount of the Securities of the series that may be authenticated and delivered under this Indenture (except for Securities authenticated and delivered upon transfer of, or in exchange for, or in lieu of, other Securities of such series pursuant to Section 3.04, 3.06, 3.07, 4.06, or 14.05);
- (c) the dates on which or periods during which the Securities of the series may be issued, and the dates on, or the range of dates within, which the principal of and premium, if any, on the Securities of such series are or may be payable or the method by which such date or dates shall be determined or extended;
- (d) the rate or rates at which the Securities of the series shall bear interest, if any, or the method by which such rate or rates shall be determined, the date or dates from which

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such interest shall accrue, or the method by which such date or dates shall be determined, the Interest Payment Dates on which any such interest shall be payable, and the Record Dates for the determination of Holders to whom interest is payable on such Interest Payment Dates or the method by which such date or dates shall be determined, the right, if any, to extend or defer interest payments and the duration of such extension or deferral;

(e) if other than U.S. Dollars, the Currency in which Securities of the series shall be denominated or in which payment of the principal of, premium, if any, or interest on the Securities of the series shall be payable and any other terms applicable thereto;

(f) if the amount of payment of principal of, premium, if any, or interest on, the Securities of the series may be determined with reference to an index, formula or other method including, but not limited to, an index based on a Currency or Currencies other than that in which the Securities are stated to be payable, the manner in which such amounts shall be determined;

(g) if the principal of, premium, if any, or interest on, Securities of the series are to be payable, at the election of the Company or a Holder thereof, in a Currency other than that in which the Securities are denominated or stated to be payable without such election, the period or periods within which, and the terms and conditions upon which, such election may be made and the time and the manner of determining the Exchange Rate (in addition to or in lieu of the provision set forth in Section 3.11) between the Currency in which the Securities are denominated or payable without such election and the Currency in which the Securities are to be paid if such election is made;

(h) the place or places, if any, in addition to or instead of the Corporate Trust Office of the Trustee where the principal of, premium, if any, and interest on Securities of the series shall be payable, and where Securities of any series may be presented for registration of transfer, exchange or conversion, and the place or places where notices and demands to or upon the Company in respect of the Securities of such series may be made (each such place, the "Place of Payment");

(i) the price or prices at which, the period or periods within which or the date or dates on which, and the terms and conditions upon which Securities of the series may be redeemed, in whole or in part, at the option of the Company, if the Company is to have that option;

(j) the obligation or right, if any, of the Company to redeem, purchase or repay Securities of the series pursuant to any sinking fund, amortization or analogous provisions or at the option of a Holder thereof and the price or prices at which, the period or periods within which or the date or dates on which, the Currency or Currencies in which and the terms and conditions upon which Securities of the series shall be redeemed, purchased or repaid, in whole or in part, pursuant to such obligation;

(k) if other than denominations of \$1,000 or any integral multiple thereof, the denominations in which Securities of the series shall be issuable;

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(l) if other than the principal amount thereof, the portion of the principal amount of the Securities of the series which shall be payable upon declaration of acceleration of the Maturity thereof pursuant to Section 7.02;

(m) whether the Securities of the series are to be issued as Original Issue Discount Securities and the amount of discount with which such Securities may be issued;

(n) provisions, if any, for the defeasance of Securities of the series in whole or in part and any addition or change in the provisions related to satisfaction and discharge;

(o) whether the Securities of the series are to be issued in whole or in part in the form of one or more Global Securities and, in such case, (i) the Depository for such Global Security or Securities, (ii) the form of legend in addition to or in lieu of that in Section 3.03(g) which shall be borne by such Global Security and (iii) the terms and conditions, if any, upon which interests in such Global Security or Securities may be exchanged in whole or in part for the individual Securities represented thereby;

(p) the date as of which any Global Security of the series shall be dated if other than the original issuance of the first Security of the series to be issued;

(q) the form of the Securities of the series;

(r) if the Securities of the series are to be convertible into or exchangeable for any securities or property of any Person (including the Company), the terms and conditions upon which such Securities will be so convertible or exchangeable, and any additions or changes, if any, to permit or facilitate such conversion or exchange;

(s) whether the Securities of such series are subject to subordination and the terms of such subordination;

(t) whether the Securities of such series shall be secured;

(u) any restriction or condition on the transferability of the Securities of such series;

(v) any addition or change in the provisions related to compensation and reimbursement of the Trustee which applies to Securities of such series;

(w) any addition or change in the provisions related to supplemental indentures set forth in Sections 14.02 and 14.04 which applies to Securities of such series;

(x) provisions, if any, granting special rights to Holders upon the occurrence of specified events;

(y) any addition to or change in the Events of Default which applies to any Securities of the series and any change in the right of the Trustee or the requisite Holders of such Securities to declare the principal amount thereof due and payable pursuant to Section 7.02

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and any addition or change in the provisions set forth in Article VII which applies to Securities of the series;

(z) any addition to or change in the covenants set forth in Article VI which applies to Securities of the series; and

(aa) any other terms of the Securities of such series (which terms shall not be inconsistent with the provisions of this Indenture, except as permitted by Section 14.01, but which may modify or delete any provision of this Indenture insofar as it applies to such series), including any terms which

may be required by or advisable under the laws of the United States or regulations thereunder or advisable (as determined by the Company) in connection with the marketing of Securities of the series.

All Securities of any one series shall be substantially identical, except as to denomination and except as may otherwise be provided herein or set forth in a Company Order or in one or more indentures supplemental hereto.

Section 3.02 Denominations. In the absence of any specification pursuant to Section 3.01 with respect to Securities of any series, the Securities of such series shall be issuable only as Securities in denominations of any integral multiple of \$1,000, and shall be payable only in U.S. Dollars.

Section 3.03 Execution, Authentication, Delivery and Dating.

(a) The Securities shall be executed in the name and on behalf of the Company by its Chairman of the Board of Directors, its Chief Executive Officer, President, Chief Financial Officer, Senior Executive Vice President, Executive Vice President, Vice President or Treasurer. Such signatures may be the manual or facsimile signatures of the present or any future such officer. If the Person whose signature is on a Security no longer holds that office at the time the Security is authenticated and delivered, the Security shall nevertheless be valid.

(b) At any time and from time to time after the execution and delivery of this Indenture, the Company may deliver Securities of any series executed by the Company to the Trustee for authentication, together with a Company Order for the authentication and delivery of such Securities and, if required pursuant to Section 3.01, a supplemental indenture or Company Order setting forth the terms of the Securities of a series. The Trustee shall thereupon authenticate and deliver such Securities without any further action by the Company. The Company Order shall specify the principal amount of Securities to be authenticated and the date on which the original issue of Securities is to be authenticated.

(c) In authenticating the first Securities of any series and accepting the additional responsibilities under this Indenture in relation to such Securities the Trustee shall receive, and (subject to Section 11.02) shall be fully protected in relying upon an Officer's Certificate and an Opinion of Counsel, each prepared in accordance with Section 16.01 stating that the conditions precedent, if any, provided for in the Indenture have been complied with.

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(d) The Trustee shall have the right to decline to authenticate and deliver the Securities under this Section 3.03 if the issue of the Securities pursuant to this Indenture will affect the Trustee's own rights, duties or immunities under the Securities and this Indenture or otherwise.

(e) Each Security shall be dated the date of its authentication, except as otherwise provided pursuant to Section 3.01 with respect to the Securities of such series.

(f) Notwithstanding the provisions of Section 3.01 and of this Section 3.03, if all of the Securities of any series are not to be originally issued at the same time, then the documents required to be delivered pursuant to this Section 3.03 may be delivered only once prior to the authentication and delivery of the first Security of such series;

(g) If the Company shall establish pursuant to Section 3.01 that the Securities of a series are to be issued in whole or in part in the form of one or more Global Securities, then the Company shall execute and the Trustee shall authenticate and deliver one or more Global Securities that (i) shall represent an aggregate amount equal to the aggregate principal amount of the Outstanding Securities of such series to be represented by such Global Securities, (ii) shall be registered, if in registered form, in the name of the Depositary for such Global Security or Securities or the nominee of such Depositary, (iii) shall be delivered by the Trustee to such Depositary or pursuant to such Depositary's instruction and (iv) shall bear a legend substantially to the following effect:

UNLESS AND UNTIL IT IS EXCHANGED IN WHOLE OR IN PART FOR THE INDIVIDUAL SECURITIES REPRESENTED HEREBY, THIS GLOBAL SECURITY MAY NOT BE TRANSFERRED EXCEPT AS A WHOLE BY THE DEPOSITARY TO A NOMINEE OF THE DEPOSITARY OR BY A NOMINEE OF THE DEPOSITARY TO THE DEPOSITARY OR ANOTHER NOMINEE OF THE DEPOSITARY OR BY THE DEPOSITARY OR ANY SUCH NOMINEE TO A SUCCESSOR DEPOSITARY OR A NOMINEE OF SUCH SUCCESSOR DEPOSITARY.

The aggregate principal amount of each Global Security may from time to time be increased or decreased by adjustments made on the records of the Security Custodian, as provided in this Indenture.

(h) Each Depositary designated pursuant to Section 3.01 for a Global Security in registered form must, at the time of its designation and at all times while it serves as such Depositary, be a clearing agency registered under the Exchange Act and any other applicable statute or regulation.

(i) Members of, or participants in, the Depositary ("Members") shall have no rights under this Indenture with respect to any Global Security held on their behalf by the Depositary or by the Security Custodian under such Global Security, and the Depositary may be treated by the Company, the Trustee, the Paying Agent and the Registrar and any of their agents as the absolute owner of such Global Security for all purposes whatsoever. Notwithstanding the foregoing, nothing herein shall prevent the Company, the Trustee, the Paying Agent or the Registrar or any of their agents from giving effect to any written certification, proxy or other authorization furnished by the Depositary or impair, as between the Depositary and its Members, the operation of customary practices of the Depositary governing the exercise of the rights of an

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owner of a beneficial interest in any Global Security. The Holder of a Global Security may grant proxies and otherwise authorize any Person, including Members and Persons that may hold interests through Members, to take any action that a Holder is entitled to take under this Indenture or the Securities.

(j) No Security shall be entitled to any benefit under this Indenture or be valid or obligatory for any purpose unless there appears on such Security a certificate of authentication substantially in one of the forms provided for herein duly executed by the Trustee or by an Authenticating Agent by manual signature of an authorized signatory of the Trustee, and such certificate upon any Security shall be conclusive evidence, and the only evidence, that such Security has been duly authenticated and delivered hereunder and is entitled to the benefits of this Indenture.

Section 3.04 Temporary Securities.

(a) Pending the preparation of definitive Securities of any series, the Company may execute and, upon Company Order, the Trustee shall authenticate and deliver, temporary Securities that are printed, lithographed, typewritten, mimeographed or otherwise reproduced, in any authorized denomination, substantially of the tenor of the definitive Securities in lieu of which they are issued, in registered form and with such appropriate insertions, omissions, substitutions and other variations as the officers executing such temporary Securities may determine, as conclusively evidenced by their execution of such temporary Securities. Any such temporary Security may be in global form, representing all or a portion of the Outstanding Securities of such series. Every such temporary Security shall be executed by the Company and shall be authenticated and delivered by the Trustee upon the same conditions and in substantially the same manner, and with the same effect, as the definitive Security or Securities in lieu of which it is issued.

(b) If temporary Securities of any series are issued, the Company will cause definitive Securities of such series to be prepared without unreasonable delay. After the preparation of definitive Securities of such series, the temporary Securities of such series shall be exchangeable for definitive Securities of such series upon surrender of such temporary Securities at the office or agency maintained by the Company in a Place of Payment for such purposes provided in Section 6.02, without charge to the Holder. Upon surrender for cancellation of any one or more temporary Securities of any series, the Company shall execute and the Trustee shall authenticate and deliver in exchange therefor a like principal amount of definitive Securities of the same series of authorized denominations and of like tenor. Until so exchanged, the temporary Securities of any series shall in all respects be entitled to the same benefits under this Indenture as definitive Securities of such series.

(c) Upon any exchange of a portion of a temporary Global Security for a definitive Global Security or for the individual Securities represented thereby pursuant to this Section 3.04 or Section 3.06, the temporary Global Security shall be endorsed by the Trustee to reflect the reduction of the principal amount evidenced thereby, whereupon the principal amount of such temporary Global Security shall be reduced for all purposes by the amount so exchanged and endorsed.

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Section 3.05 Registrar and Paying Agent.

(a) The Company will keep, at an office or agency to be maintained by it in a Place of Payment where Securities may be presented for registration or presented and surrendered for registration of transfer or of exchange, and where Securities of any series that are convertible or exchangeable may be surrendered for conversion or exchange, as applicable (the “Registrar”), a security register for the registration and the registration of transfer or of exchange of the Securities (the registers maintained in such office and in any other office or agency of the Company in a Place of Payment being herein sometimes collectively referred to as the “Register”), as in this Indenture provided, which Register shall at all reasonable times be open for inspection by the Trustee. Such Register shall be in written form or in any other form capable of being converted into written form within a reasonable time. The Company may have one or more co-Registrars; the term “Registrar” includes any co-registrar.

(b) The Company shall enter into an appropriate agency agreement with any Registrar or co-Registrar not a party to this Indenture. The agreement shall implement the provisions of this Indenture that relate to such agent. The Company shall notify the Trustee of the name and address of each such agent. If the Company fails to maintain a Registrar for any series, the Trustee shall act as such and shall be entitled to appropriate compensation therefor pursuant to Section 11.01. The Company or any Affiliate thereof may act as Registrar, co-Registrar or transfer agent.

(c) The Company hereby appoints the Trustee at its Corporate Trust Office as Registrar in connection with the Securities and this Indenture, until such time as another Person is appointed as such in replacement of the Trustee as such. No Person shall at any time be appointed as or act as Registrar unless such Person is at such time empowered under applicable law to act as such Registrar.

Section 3.06 Transfer and Exchange.

(a) *Transfer.*

(i) Upon surrender for registration of transfer of any Security of any series at the Registrar, the Company shall execute, and the Trustee or any Authenticating Agent shall authenticate and deliver, in the name of the designated transferee, one or more new Securities of the same series for like aggregate principal amount of any authorized denomination or denominations. The transfer of any Security shall not be valid as against the Company or the Trustee unless registered at the Registrar at the request of the Holder, or at the request of his, her or its attorney duly authorized in writing.

(ii) Notwithstanding any other provision of this Section, unless and until it is exchanged in whole or in part for the individual Securities represented thereby, a Global Security representing all or a portion of the Securities of a series may not be transferred except as a whole by the Depository for such series to a nominee of such Depository or by a nominee of such Depository to such Depository or another nominee of

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such Depository or by such Depository or any such nominee to a successor Depository for such series or a nominee of such successor Depository.

(b) *Exchange.*

(i) At the option of the Holder, Securities of any series (other than a Global Security, except as set forth below) may be exchanged for other Securities of the same series for like aggregate principal amount of any authorized denomination or denominations, upon surrender of the Securities to be exchanged at the Registrar.

(ii) Whenever any Securities are so surrendered for exchange, the Company shall execute, and the Trustee shall authenticate and deliver, the Securities that the Holder making the exchange is entitled to receive.

(c) *Exchange of Global Securities for Individual Securities.* Except as provided below, owners of beneficial interests in Global Securities will not be entitled to receive individual Securities.

(i) Individual Securities shall be issued to all owners of beneficial interests in a Global Security in exchange for such interests if: (A) at any time the Depository for the Securities of a series notifies the Company that it is unwilling or unable to continue as Depository for the Securities of such series or if at any time the Depository for the Securities of such series shall no longer be eligible under Section 3.03(h) and, in each case, a successor Depository is not appointed by the Company within 90 days of such notice, or (B) the Company executes and delivers to the Trustee and the Registrar an Officer's Certificate stating that such Global Security shall be so exchangeable.

In connection with the exchange of an entire Global Security for individual Securities pursuant to this subsection (c), such Global Security shall be deemed to be surrendered to the Trustee for cancellation, and the Company shall execute, and the Trustee, upon receipt of a Company Order for the authentication and delivery of individual Securities of such series, will authenticate and deliver to each beneficial owner identified by the Depository in exchange for its beneficial interest in such Global Security, an equal aggregate principal amount of individual Securities of authorized denominations.

(ii) The owner of a beneficial interest in a Global Security will be entitled to receive an individual Security in exchange for such interest if an Event of Default has occurred and is continuing. Upon receipt by the Security Custodian and Registrar of instructions from the Holder of a Global Security directing the Security Custodian and Registrar to (x) issue one or more individual Securities in the amounts specified to the owner of a beneficial interest in such Global Security and (y) debit or cause to be debited an equivalent amount of beneficial interest in such Global Security, subject to the rules and regulations of the Depository:

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(A) the Security Custodian and Registrar shall notify the Company and the Trustee of such instructions, identifying the owner and amount of such beneficial interest in such Global Security;

(B) the Company shall promptly execute and the Trustee, upon receipt of a Company Order for the authentication and delivery of individual Securities of such series, shall authenticate and deliver to such beneficial owner individual Securities in an equivalent amount to such beneficial interest in such Global Security; and

(C) the Security Custodian and Registrar shall decrease such Global Security by such amount in accordance with the foregoing. In the event that the individual Securities are not issued to each such beneficial owner promptly after the Registrar has received a request from the Holder of a Global Security to issue such individual Securities, the Company expressly acknowledges, with respect to the right of any Holder to pursue a remedy pursuant to Section 7.07 hereof, the right of any beneficial Holder of Securities to pursue such remedy with respect to the portion of the Global Security that represents such beneficial Holder's Securities as if such individual Securities had been issued.

(iii) If specified by the Company pursuant to Section 3.01 with respect to a series of Securities, the Depository for such series of Securities may surrender a Global Security for such series of Securities in exchange in whole or in part for individual Securities of such series on such terms as are acceptable to the Company and such Depository. Thereupon, the Company shall execute, and the Trustee shall authenticate and deliver, without service charge,

(A) to each Person specified by such Depository a new individual Security or Securities of the same series, of any authorized denomination as requested by such Person in aggregate principal amount equal to and in exchange for such Person's beneficial interest in the Global Security; and

(B) to such Depository a new Global Security in a denomination equal to the difference, if any, between the principal amount of the surrendered Global Security and the aggregate principal amount of individual Securities delivered to Holders thereof.

(iv) In any exchange provided for in clauses (i) through (iii), the Company will execute and the Trustee will authenticate and deliver individual Securities in registered form in authorized denominations.

(v) Upon the exchange in full of a Global Security for individual Securities, such Global Security shall be cancelled by the Trustee. Individual Securities issued in exchange for a Global Security pursuant to this Section shall be registered in such names and in such authorized denominations as the Depository for such Global

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Security, pursuant to instructions from its direct or indirect participants or otherwise, shall instruct the Trustee. The Trustee shall deliver such Securities to the Persons in whose names such Securities are so registered.

(d) All Securities issued upon any registration of transfer or exchange of Securities shall be valid obligations of the Company evidencing the same debt, and entitled to the same benefits under this Indenture, as the Securities surrendered for such registration of transfer or exchange.

(e) Every Security presented or surrendered for registration of transfer or exchange, or for payment shall (if so required by the Company, the Trustee or the Registrar) be duly endorsed, or be accompanied by a written instrument or instruments of transfer in form satisfactory to the Company, the Trustee and the Registrar, duly executed by the Holder thereof or by his, her or its attorney duly authorized in writing.

(f) No service charge will be made for any registration of transfer or exchange of Securities. The Company may require payment of a sum sufficient to cover any tax, assessment or other governmental charge that may be imposed in connection with any registration of transfer or exchange of Securities, other than those expressly provided in this Indenture to be made at the Company's own expense or without expense or charge to the Holders.

(g) The Company shall not be required to (i) register, transfer or exchange Securities of any series during a period beginning at the opening of business 15 calendar days before the day of the transmission of a notice of redemption of Securities of such series selected for redemption under Section 4.03 and ending at the close of business on the day of such transmission, or (ii) register, transfer or exchange any Security so selected for redemption in whole or in part, except the unredeemed portion of any Security being redeemed in part.

(h) Prior to the due presentation for registration of transfer or exchange of any Security, the Company, the Trustee, the Paying Agent, the Registrar, any co-Registrar or any of their agents may deem and treat the Person in whose name a Security is registered as the absolute owner of such Security (whether or not such Security shall be overdue and notwithstanding any notation of ownership or other writing thereon) for all purposes whatsoever, and none of the Company, the Trustee, the Paying Agent, the Registrar, any co-Registrar or any of their agents shall be affected by any notice to the contrary.

(i) In case a successor Company ("Successor Company") has executed an indenture supplemental hereto with the Trustee pursuant to Article XIV, any of the Securities authenticated or delivered pursuant to such transaction may, from time to time, at the request of the Successor Company, be exchanged for other Securities executed in the name of the Successor Company with such changes in phraseology and form as may be appropriate, but otherwise identical to the Securities surrendered for such exchange and of like principal amount; and the Trustee, upon Company Order of the Successor Company, shall authenticate and deliver Securities as specified in such Company Order for the purpose of such exchange. If Securities shall at any time be authenticated and delivered in any new name of a Successor Company pursuant to this Section 3.06 in exchange or substitution for or upon registration of transfer of

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any Securities, such Successor Company, at the option of the Holders but without expense to them, shall provide for the exchange of all Securities at the time Outstanding for Securities authenticated and delivered in such new name.

(j) Each Holder of a Security agrees to indemnify the Company and the Trustee against any liability that may result from the transfer, exchange or assignment of such Holder's Security in violation of any provision of this Indenture and/or applicable United States federal or state securities laws.

(k) The Trustee shall have no obligation or duty to monitor, determine or inquire as to compliance with any restrictions on transfer imposed under this Indenture or under applicable law with respect to any transfer of any interest in any Security other than to require delivery of such certificates and other documentation or evidence as are expressly required by, and to do so if and when expressly required by the terms of, this Indenture, and to examine the same to determine substantial compliance as to form with the express requirements hereof.

(l) Neither the Trustee nor any agent of the Trustee shall have any responsibility for any actions taken or not taken by the Depository.

Section 3.07 Mutilated, Destroyed, Lost and Stolen Securities.

(a) If (i) any mutilated Security is surrendered to the Trustee at its Corporate Trust Office or (ii) the Company and the Trustee receive evidence to their satisfaction of the destruction, loss or theft of any Security, and there is delivered to the Company and the Trustee security or indemnity satisfactory to them to save each of them and any Paying Agent harmless, and neither the Company nor the Trustee receives notice that such Security has been acquired by a protected purchaser, then the Company shall execute and upon Company Order the Trustee shall authenticate and deliver, in exchange for or in lieu of any such mutilated, destroyed, lost or stolen Security, a new Security of the same series and of like tenor, form, terms and principal amount, bearing a number not contemporaneously Outstanding, and neither gain nor loss in interest shall result from such exchange or substitution.

(b) In case any such mutilated, destroyed, lost or stolen Security has become or is about to become due and payable, the Company in its discretion may, instead of issuing a new Security, pay the amount due on such Security in accordance with its terms.

(c) Upon the issuance of any new Security under this Section 3.07, the Company may require the payment of a sum sufficient to cover any tax or other governmental charge that may be imposed in respect thereto and any other expenses (including the fees and expenses of the Trustee) in connection therewith.

(d) Every new Security of any series issued pursuant to this Section shall constitute an original additional contractual obligation of the Company, whether or not the destroyed, lost or stolen Security shall be at any time enforceable by anyone, and shall be entitled to all the benefits of this Indenture equally and proportionately with any and all other Securities of that series duly issued hereunder.

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(e) The provisions of this Section 3.07 are exclusive and shall preclude (to the extent lawful) all other rights and remedies with respect to the replacement or payment of mutilated, destroyed, lost or stolen Securities.

Section 3.08 Payment of Interest; Interest Rights Preserved.

(a) Interest on any Security which is payable, and is punctually paid or duly provided for, on any Interest Payment Date shall be paid to the Person in whose name such Security (or one or more Predecessor Securities) is registered at the close of business on the Record Date for such interest notwithstanding the cancellation of such Security upon any transfer or exchange subsequent to the Record Date. Payment of interest on Securities shall be made at the Corporate Trust Office (except as otherwise specified pursuant to Section 3.01) or, at the option of the Company, by check mailed to the address of the Person entitled thereto as such address shall appear in the Register or, in accordance with arrangements satisfactory to the Trustee, by wire transfer to an account designated by the Holder.

(b) Any interest on any Security that is payable, but is not punctually paid or duly provided for, on any Interest Payment Date (herein called "Defaulted Interest") shall forthwith cease to be payable to the Holder on the relevant Record Date by virtue of his, her or its having been such a Holder, and such Defaulted Interest may be paid by the Company, at its election in each case, as provided in clause (i) or (ii) below:

(i) The Company may elect to make payment of any Defaulted Interest to the Persons in whose names such Securities (or their respective Predecessor Securities) are registered at the close of business on a special record date for the payment of such Defaulted Interest (a "Special Record Date"), which shall be fixed in the following manner. The Company shall notify the Trustee in writing of the amount of Defaulted Interest proposed to be paid on each such Security and the date of the proposed payment, and at the same time the Company shall deposit with the Trustee an amount of money equal to the aggregate amount proposed to be paid in respect of such Defaulted Interest or shall make arrangements satisfactory to the Trustee for such deposit prior to the date of the proposed payment, such money when deposited to be held in trust for the benefit of the Persons entitled to such Defaulted Interest as in this clause provided. Thereupon the Trustee shall fix a Special Record Date for the payment of such Defaulted Interest which shall be not more than 15 calendar days and not less than 10 calendar days prior to the date of the proposed payment and not less than 10 calendar days after the receipt by the Trustee of the notice of the proposed payment. The Trustee shall promptly notify the Company of such Special Record Date and, in the name and at the expense of the Company, shall cause notice of the proposed payment of such Defaulted Interest and the Special Record Date therefor to be mailed, first-class postage prepaid, to the Holders of such Securities at their addresses as they appear in the Register, not less than 10 calendar days prior to such Special Record Date. Notice of the proposed payment of such Defaulted Interest and the Special Record Date therefor having been mailed as aforesaid, such Defaulted Interest shall be paid to the Persons in whose names such Securities (or their respective Predecessor Securities) are registered at the close of business on such Special Record Date and shall no longer be payable pursuant to the following clause (ii).

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(ii) The Company may make payment of any Defaulted Interest on Securities in any other lawful manner not inconsistent with the requirements of any securities exchange on which such Securities may be listed or of any automated quotation system on which any such Securities may be quoted, and upon such notice as may be required by such exchange or quotation system, as applicable, if, after notice given by the Company to the Trustee of the proposed payment pursuant to this clause, such manner of payment shall be deemed practicable by the Trustee.

(c) Subject to the foregoing provisions in this Section 3.08, each Security delivered under this Indenture in exchange or substitution for, or upon registration of transfer of, any other Security shall carry all the rights to interest accrued and unpaid, and to accrue, which were carried by such other Security.

Section 3.09 Cancellation. Unless otherwise specified pursuant to Section 3.01 for Securities of any series, all Securities surrendered for payment, redemption, registration of transfer or exchange or credit against any sinking fund or otherwise shall, if surrendered to any Person other than the Trustee, be delivered to the Trustee for cancellation and shall be promptly cancelled by it and, if surrendered to the Trustee, shall be promptly cancelled by it. The Company may at any time deliver to the Trustee for cancellation any Securities previously authenticated and delivered hereunder that the Company may have acquired in any manner whatsoever, and all Securities so delivered shall be promptly cancelled by the Trustee. No Securities shall be authenticated in lieu of or in exchange for any Securities cancelled as provided in this Section, except as expressly permitted by this Indenture. The Trustee shall dispose of all cancelled Securities held by it in accordance with its then customary procedures, unless otherwise directed by a Company Order, and deliver a certificate of such disposal to the Company upon its request therefor. The acquisition of any Securities by the Company shall not operate as a redemption or satisfaction of the Indebtedness represented thereby unless and until such Securities are surrendered to the Trustee for cancellation.

Section 3.10 Computation of Interest. Except as otherwise specified pursuant to Section 3.01 for Securities of any series, interest on the Securities of each series shall be computed on the basis of a 360-day year of twelve 30-day months.

Section 3.11 Currency of Payments in Respect of Securities.

(a) The Company may provide pursuant to Section 3.01 for Securities of any series that (i) the obligation, if any, of the Company to pay the principal of, premium, if any, and interest on, the Securities of any series in a Foreign Currency or U.S. Dollars (the "Designated Currency") as may be specified pursuant to Section 3.01 is of the essence and agrees that, to the fullest extent possible under applicable law, judgments in respect of such Securities shall be given in the Designated Currency; (ii) the obligation of the Company to make payments in the Designated Currency of the principal of and premium, if any, and interest on such Securities shall, notwithstanding any payment in any other Currency (whether pursuant to a judgment or otherwise), be discharged only to the extent of the amount in the Designated Currency that the Holder receiving such payment may, in accordance with normal banking procedures, purchase with the sum paid in such other Currency (after any premium and cost of exchange) on the business day in the country of issue of the Designated Currency or in the international banking

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community (in the case of a composite currency) immediately following the day on which such Holder receives such payment; (iii) if the amount in the Designated Currency that may be so purchased for any reason falls short of the amount originally due, the Company shall pay such additional amounts as may be necessary to compensate for such shortfall; and (iv) any obligation of the Company not discharged by such payment shall be due as a separate and independent obligation and, until discharged as provided herein, shall continue in full force and effect. Notwithstanding the foregoing, unless otherwise specified pursuant to Section 3.01 for Securities of any series, payment of the principal of, premium, if any, and interest on, Securities of such series will be made in U.S. Dollars.

(b) If the principal of, premium, if any, or interest on any Security is payable in a Currency other than U.S. Dollars and such Currency is not available to the Company for making payment thereof due to the imposition of exchange controls or other circumstances beyond the control of the Company, the Company will be entitled to satisfy its obligations to Holders of the Securities by making such payment in U.S. Dollars in an amount equivalent of the amount payable in such other Currency at the Exchange Rate as determined pursuant to Section 3.11(d). Notwithstanding any provisions to the contrary herein, any payment made under such circumstances in U.S. Dollars where the required payment is in a Currency other than U.S. Dollars will not constitute an Event of Default under this Indenture.

(c) For purposes of any provision of the Indenture where the Holders of Outstanding Securities may perform an action that requires that a specified percentage of the Outstanding Securities of all series perform such action and for purposes of any decision or determination by the Trustee of amounts due and unpaid for the principal of, premium, if any, and interest on, the Securities of all series in respect of which moneys are to be disbursed ratably, the principal of, premium, if any, and interest on, the Outstanding Securities denominated in a Foreign Currency will be the amount in U.S. Dollars based upon the Exchange Rate as determined pursuant to Section 3.11(d) (or as specified pursuant to Section 3.01, if applicable) for Securities of such series,

as of the date for determining whether the Holders entitled to perform such action have performed it or as of the date of such decision or determination by the Trustee, as the case may be.

(d) Any decision or determination to be made regarding the Exchange Rate shall be made by the Company or an agent appointed by the Company (the Company, in such capacity, or such agent, the “Currency Determination Agent”); provided that such agent shall accept such appointment in writing and the terms of such appointment shall, in the opinion of the Company at the time of such appointment, require such agent to make such determination by a method consistent with the method provided pursuant to Section 3.01 for the making of such decision or determination. Unless otherwise specified pursuant to Section 3.01, “Exchange Rate” shall mean, for any Currency, the highest firm bid quotation for U.S. Dollars received by the Currency Determination Agent at approximately 11:00 a.m., New York City time, on the second Business Day preceding the applicable payment date (or, if no such rate is quoted on such date, the last date on which such rate was quoted), from three recognized foreign exchange dealers in the City of New York selected by the Currency Determination Agent and approved by the Company (one of which may be the Currency Determination Agent) for the purchase by the quoting dealer, for settlement on such payment date, of the aggregate amount of such Currency payable on such payment date in respect of the Securities of a series denominated in such

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Currency; provided that, notwithstanding the foregoing, the Currency Determination Agent may use the noon buying rate in New York City for cable transfers for any Currency as the applicable Exchange Rate, as such rate is reported or otherwise made available by the Federal Reserve Bank of New York on the date of such payment, or, if such rate is not then available, on the basis of the most recently available rate. All decisions and determinations of such agent regarding the Exchange Rate shall, in the absence of manifest error, be conclusive for all purposes and irrevocably binding upon the Company, the Trustee and all Holders of the Securities.

Section 3.12 CUSIP Numbers. The Company in issuing any Securities may use CUSIP, ISIN or other similar numbers, if then generally in use, and thereafter with respect to such series, the Trustee may use such numbers in any notice of redemption or exchange, as a convenience to Holders, with respect to such series; provided that any such notice may state that no representation is made as to the correctness of such numbers either as printed on the Securities or as contained in any notice of a redemption and that reliance may be placed only on the other identification numbers printed on the Securities, and any such redemption shall not be affected by any defect in or omission of such numbers. The Company will promptly notify the Trustee of any change in the CUSIP, ISIN or other similar numbers.

ARTICLE IV

REDEMPTION OF SECURITIES

Section 4.01 Applicability of Right of Redemption. Redemption of Securities (other than pursuant to a sinking fund, amortization or analogous provision) permitted by the terms of any series of Securities shall be made (except as otherwise specified pursuant to Section 3.01 for Securities of any series) in accordance with this Article; provided, however, that if any such terms of a series of Securities shall conflict with any provision of this Article, the terms of such series shall govern.

Section 4.02 Selection of Securities to be Redeemed.

(a) If the Company shall at any time elect to redeem all or any portion of the Securities of a series then Outstanding, it shall at least 15 calendar days (or such shorter period acceptable to the Trustee) prior to the date the notice of redemption is to be mailed, notify the Trustee of such Redemption Date and of the principal amount of Securities to be redeemed, and thereupon the Trustee shall select either pro rata, by lot or in such other manner as the Trustee shall deem appropriate and which may provide for the selection for redemption of a portion of the principal amount of any Security of such series; provided that the unredeemed portion of the principal amount of any Security shall be in an authorized denomination (which shall not be less than the minimum authorized denomination) for such Security. In any case where more than one Security of such series is registered in the same name, the Trustee may treat the aggregate principal amount so registered as if it were represented by one Security of such series. The Trustee shall, as soon as practicable, notify the Company in writing of the Securities and portions of Securities so selected.

(b) For all purposes of this Indenture, unless the context otherwise requires, all provisions relating to the redemption of Securities shall relate, in the case of any Security

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redeemed or to be redeemed only in part, to the portion of the principal amount of such Security that has been or is to be redeemed. If the Company shall so direct, Securities registered in the name of the Company, any Affiliate or any Subsidiary thereof shall not be included in the Securities selected for redemption.

Section 4.03 Notice of Redemption.

(a) Notice of redemption shall be given by the Company or, at the Company’s request, by the Trustee in the name and at the expense of the Company, not less than 30 nor more than 60 calendar days prior to the Redemption Date, to the Holders of Securities of any series to be redeemed in whole or in part pursuant to this Article, in the manner provided in Section 16.04; provided that the Trustee be provided with the draft notice at least 15 days prior to sending such notice of redemption. Any notice given in the manner herein provided shall be conclusively presumed to have been duly given, whether or not the Holder receives such notice. Failure to give such notice, or any defect in such notice to the Holder of any Security of a series designated for redemption, in whole or in part, shall not affect the sufficiency of any notice of redemption with respect to the Holder of any other Security of such series.

(b) All notices of redemption shall identify the Securities to be redeemed (including CUSIP, ISIN or other similar numbers, if available) and shall state:

(i) such election by the Company to redeem Securities of such series pursuant to provisions contained in this Indenture or the terms of the Securities of such series in a Company Order or a supplemental indenture establishing such series, if such be the case;

- (ii) the Redemption Date;
- (iii) the Redemption Price;
- (iv) if less than all Outstanding Securities of any series are to be redeemed, the identification (and, in the case of partial redemption, the principal amounts) of the Securities of such series to be redeemed;
- (v) that on the Redemption Date the Redemption Price will become due and payable upon each such Security to be redeemed, and that, if applicable, interest thereon shall cease to accrue on and after said date;
- (vi) the Place or Places of Payment where such Securities are to be surrendered for payment of the Redemption Price; and
- (vii) if applicable, that the redemption is for a sinking fund, if such is the case.

Section 4.04 Deposit of Redemption Price. On or prior to 11:00 a.m., New York City time, on the Redemption Date for any Securities, the Company shall deposit with the Trustee or with a Paying Agent (or, if the Company is acting as its own Paying Agent, segregate and hold in trust as provided in Section 6.03) an amount of money in the Currency in which such Securities

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are denominated (except as provided pursuant to Section 3.01) sufficient to pay the Redemption Price of such Securities or any portions thereof that are to be redeemed on that date.

Section 4.05 Securities Payable on Redemption Date. If notice of redemption has been given as above provided, any Securities so to be redeemed shall, on the Redemption Date, become due and payable at the Redemption Price and from and after such date (unless the Company shall Default in the payment of the Redemption Price) such Securities shall cease to bear interest, and, except as provided in Section 12.07, such Securities shall cease from and after the Redemption Date to be entitled to any benefit or security under the Indenture, and the Holders thereof shall have no right in respect of such Securities except the right to receive the Redemption Price thereof and unpaid interest to the Redemption Date. Upon surrender of any such Security for redemption in accordance with said notice, such Security shall be paid by the Company at the Redemption Price; provided, however, that (unless otherwise provided pursuant to Section 3.01) installments of interest that have a Stated Maturity on or prior to the Redemption Date for such Securities shall be payable according to the terms of such Securities and the provisions of Section 3.08.

If any Security called for redemption shall not be so paid upon surrender thereof for redemption, the principal thereof shall, until paid or duly provided for, bear interest from the Redemption Date at the rate prescribed therefor in the Security.

Section 4.06 Securities Redeemed in Part. Any Security that is to be redeemed only in part shall be surrendered at the Corporate Trust Office or such other office or agency of the Company as is specified pursuant to Section 3.01 with, if the Company, the Registrar or the Trustee so requires, due endorsement by, or a written instrument of transfer in form satisfactory to the Company, the Registrar and the Trustee duly executed by the Holder thereof or his, her or its attorney duly authorized in writing, and the Company shall execute, and the Trustee shall authenticate and deliver to the Holder of such Security, without service charge, a new Security or Securities of the same series, of like tenor and form, of any authorized denomination as requested by such Holder in aggregate principal amount equal to and in exchange for the unredeemed portion of the principal of the Security so surrendered; provided that if a Global Security is so surrendered, the Company shall execute, and the Trustee shall authenticate and deliver to the Depository for such Global Security, without service charge, a new Global Security in a denomination equal to and in exchange for the unredeemed portion of the principal of the Global Security so surrendered. In the case of a Security providing appropriate space for such notation, at the option of the Holder thereof, the Trustee, in lieu of delivering a new Security or Securities as aforesaid, may make a notation on such Security of the payment of the redeemed portion thereof.

ARTICLE V

SINKING FUNDS

Section 5.01 Applicability of Sinking Fund.

(a) Redemption of Securities permitted or required pursuant to a sinking fund for the retirement of Securities of a series by the terms of such series of Securities shall be made

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in accordance with such terms of such series of Securities and this Article, except as otherwise specified pursuant to Section 3.01 for Securities of such series; provided, however, that if any such terms of a series of Securities shall conflict with any provision of this Article, the terms of such series shall govern.

(b) The minimum amount of any sinking fund payment provided for by the terms of Securities of any series is herein referred to as a "Mandatory Sinking Fund Payment," and any payment in excess of such minimum amount provided for by the terms of Securities of any series is herein referred to as an "Optional Sinking Fund Payment." If provided for by the terms of Securities of any series, the cash amount of any Mandatory Sinking Fund Payment may be subject to reduction as provided in Section 5.02.

Section 5.02 Mandatory Sinking Fund Obligation. The Company may, at its option, satisfy any Mandatory Sinking Fund Payment obligation, in whole or in part, with respect to a particular series of Securities by (a) delivering to the Trustee Securities of such series in transferable form theretofore purchased or otherwise acquired by the Company or redeemed at the election of the Company pursuant to Section 4.03 or (b) receiving credit for Securities of such series (not previously so credited) acquired by the Company and theretofore delivered to the Trustee. The Trustee shall credit such Mandatory Sinking Fund Payment obligation with an amount equal to the Redemption Price specified in such Securities for redemption through operation of the sinking fund and the amount of such Mandatory Sinking Fund Payment shall be reduced accordingly. If the Company shall elect to so satisfy any Mandatory Sinking Fund

Payment obligation, it shall deliver to the Trustee not less than 45 calendar days prior to the relevant sinking fund payment date a written notice signed on behalf of the Company by its Chairman of the Board of Directors, Chief Executive Officer, President, Chief Financial Officer, Senior Executive Vice President, Executive Vice President, Vice President, Treasurer or an Assistant Treasurer, which shall designate the Securities (and portions thereof, if any) so delivered or credited and which shall be accompanied by such Securities (to the extent not theretofore delivered) in transferable form. In case of the failure of the Company, at or before the time so required, to give such notice and deliver such Securities, the Mandatory Sinking Fund Payment obligation shall be paid entirely in moneys.

Section 5.03 Optional Redemption at Sinking Fund Redemption Price. In addition to the sinking fund requirements of Section 5.02, to the extent, if any, provided for by the terms of a particular series of Securities, the Company may, at its option, make an Optional Sinking Fund Payment with respect to such Securities. Unless otherwise provided by such terms, (a) to the extent that the right of the Company to make such Optional Sinking Fund Payment is not exercised in any year, it shall not be cumulative or carried forward to any subsequent year, and (b) such optional payment shall operate to reduce the amount of any Mandatory Sinking Fund Payment obligation as to Securities of the same series. If the Company intends to exercise its right to make such optional payment in any year, it shall deliver to the Trustee not less than 45 calendar days prior to the relevant sinking fund payment date a certificate signed by its Chairman of the Board of Directors, Chief Executive Officer, President, Chief Financial Officer, Senior Executive Vice President, Executive Vice President, Vice President, Treasurer or an Assistant Treasurer, stating that the Company will exercise such optional right, and specifying the amount which the Company will pay on or before the next succeeding sinking fund payment date. Such certificate shall also state that no Event of Default has occurred and is continuing.

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Section 5.04 Application of Sinking Fund Payment.

(a) If the sinking fund payment or payments made in funds pursuant to either Section 5.02 or 5.03 with respect to a particular series of Securities plus any unused balance of any preceding sinking fund payments made in funds with respect to such series shall exceed \$50,000 (or a lesser sum if the Company shall so request, or such equivalent sum for Securities denominated other than in U.S. Dollars), it shall be applied by the Trustee on the sinking fund payment date next following the date of such payment; provided that, if the date of such payment shall be a sinking fund payment date, such payment shall be applied on such sinking fund payment date to the redemption of Securities of such series at the Redemption Price specified pursuant to Section 4.03(b). The Trustee shall select, in the manner provided in Section 4.02, for redemption on such sinking fund payment date, a sufficient principal amount of Securities of such series to absorb said funds, as nearly as may be, and shall, at the expense and in the name of the Company, thereupon cause notice of redemption of the Securities to be given in substantially the manner provided in Section 4.03(a) for the redemption of Securities in part at the option of the Company, except that the notice of redemption shall also state that the Securities are being redeemed for the sinking fund. Any sinking fund moneys not so applied by the Trustee to the redemption of Securities of such series shall be added to the next sinking fund payment received in funds by the Trustee and, together with such payment, shall be applied in accordance with the provisions of this Section 5.04. Any and all sinking fund moneys held by the Trustee on the last sinking fund payment date with respect to Securities of such series, and not held for the payment or redemption of particular Securities of such series, shall be applied by the Trustee to the payment of the principal of the Securities of such series at Maturity.

(b) On or prior to each sinking fund payment date, the Company shall pay to the Trustee a sum equal to all interest accrued to but not including the date fixed for redemption on Securities to be redeemed on such sinking fund payment date pursuant to this Section 5.04.

(c) The Trustee shall not redeem any Securities of a series with sinking fund moneys or mail any notice of redemption of Securities of such series by operation of the sinking fund during the continuance of a Default in payment of interest on any Securities of such series or of any Event of Default (other than an Event of Default occurring as a consequence of this paragraph) of which the Trustee has actual knowledge, except that if the notice of redemption of any Securities of such series shall theretofore have been mailed in accordance with the provisions hereof, the Trustee shall redeem such Securities if funds sufficient for that purpose shall be deposited with the Trustee in accordance with the terms of this Article. Except as above provided, any moneys in the sinking fund at the time any such Default or Event of Default shall occur and any moneys thereafter paid into the sinking fund shall, during the continuance of such Default or Event of Default, be held as security for the payment of all the Securities of such series; provided, however, that in case such Default or Event of Default shall have been cured or waived as provided herein, such moneys shall thereafter be applied on the next sinking fund payment date on which such moneys are required to be applied pursuant to the provisions of this Section 5.04.

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ARTICLE VI

PARTICULAR COVENANTS OF THE COMPANY

The Company hereby covenants and agrees as follows:

Section 6.01 Payments of Principal, Premium and Interest. The Company, for the benefit of each series of Securities, will duly and punctually pay or cause to be paid the principal of, premium, if any, and interest on, each series of Securities, at the dates and place and in the manner provided in the Securities and in this Indenture.

Section 6.02 Maintenance of Office or Agency; Paying Agent.

(a) The Company will maintain in each Place of Payment for any series of Securities, if any, an office or agency where Securities may be presented or surrendered for payment, where Securities of such series may be surrendered for registration of transfer or exchange, and where notices and demands to or upon the Company in respect of the Securities and this Indenture may be served. The Company will give prompt written notice to the Trustee of the location, and any change in the location, of such office or agency. If at any time the Company shall fail to maintain any such required office or agency or shall fail to furnish the Trustee with the address thereof, such presentations, surrenders, notices and demands may be made or served at the Corporate Trust Office of the Trustee, and the Company hereby appoints the Trustee as Paying Agent to receive all presentations, surrenders, notices and demands.

(b) The Company may also from time to time designate different or additional offices or agencies where the Securities of any series may be presented or surrendered for any or all such purposes (in or outside of such Place of Payment), and may from time to time rescind any such

designations; provided, however, that no such designation or rescission shall in any manner relieve the Company of its obligations described in the preceding paragraph. The Company will give prompt written notice to the Trustee of any such additional designation or rescission of designation and of any change in the location of any such different or additional office or agency. The Company shall enter into an appropriate agency agreement with any Paying Agent not a party to this Indenture. The agreement shall implement the provisions of this Indenture that relate to such agent. The Company shall notify the Trustee of the name and address of each such agent. The Company or any Affiliate thereof may act as Paying Agent.

Section 6.03 To Hold Payment in Trust.

(a) If the Company or an Affiliate thereof shall at any time act as Paying Agent with respect to any series of Securities, then, on or before the date on which the principal of and premium, if any, or interest on any of the Securities of that series by their terms or as a result of the calling thereof for redemption shall become payable, the Company or such Affiliate will segregate and hold in trust for the benefit of the Holders of such Securities or the Trustee a sum sufficient to pay such principal and premium, if any, or interest which shall have so become payable until such sums shall be paid to such Holders or otherwise disposed of as herein provided, and will notify the Trustee of its action or failure to act in that regard.

Upon any proceeding under the Bankruptcy Code or any applicable state bankruptcy laws with respect to the Company or any Affiliate thereof, if the Company or such Affiliate is then acting as Paying Agent, the Trustee shall promptly replace the Company or such Affiliate as Paying Agent.

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(b) If the Company shall appoint, and at the time have, a Paying Agent for the payment of the principal of and premium, if any, or interest on any series of Securities, then prior to 11:00 a.m., New York City time, on the date on which the principal of and premium, if any, or interest on any of the Securities of that series shall become payable as above provided, whether by their terms or as a result of the calling thereof for redemption, the Company will deposit with such Paying Agent a sum sufficient to pay such principal and premium, if any, or interest, such sum to be held in trust for the benefit of the Holders of such Securities or the Trustee, and (unless such Paying Agent is the Trustee), the Company or any other obligor of such Securities will promptly notify the Trustee of its payment or failure to make such payment.

(c) If the Paying Agent shall be other than the Trustee, the Company will cause such Paying Agent to execute and deliver to the Trustee an instrument in which such Paying Agent shall agree with the Trustee, subject to the provisions of this Section 6.03, that such Paying Agent shall:

(i) comply with the provisions of the Trust Indenture Act applicable to it as Paying Agent;

(ii) hold all moneys held by it for the payment of the principal of and premium, if any, or interest on the Securities of that series in trust for the benefit of the Holders of such Securities until such sums shall be paid to such Holders or otherwise disposed of as herein provided;

(iii) give to the Trustee notice of any Default by the Company or any other obligor upon the Securities of that series in the making of any payment of the principal of and premium, if any, or interest on the Securities of that series; and

(iv) at any time during the continuance of any such Default, upon the written request of the Trustee, pay to the Trustee all sums so held in trust by such Paying Agent.

(d) Anything in this Section 6.03 to the contrary notwithstanding, the Company may at any time, for the purpose of obtaining a release, satisfaction or discharge of this Indenture or for any other reason, pay or cause to be paid to the Trustee all sums held in trust by the Company or by any Paying Agent other than the Trustee as required by this Section 6.03, such sums to be held by the Trustee upon the same trusts as those upon which such sums were held by the Company or such Paying Agent and, upon such payment by a Paying Agent to the Trustee, such Paying Agent shall be released from all further liability with respect to such moneys.

(e) Any money deposited with the Trustee or any Paying Agent, or then held by the Company, in trust for the payment of the principal of and premium, if any, or interest on any Security of any series and remaining unclaimed for two years after such principal and premium, if any, or interest has become due and payable shall be paid to the Company upon Company Order along with any interest that has accumulated thereon as a result of such money being invested at the direction of the Company (or, if then held by the Company, shall be discharged from such trust), and the Holder of such Security shall thereafter, as an unsecured

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general creditor, look only to the Company for payment of such amounts without interest thereon, and all liability of the Trustee or such Paying Agent with respect to such trust money, and all liability of the Company as trustee thereof, shall thereupon cease; provided, however, that the Trustee or such Paying Agent before being required to make any such repayment, may at the expense of the Company cause to be published once, in a newspaper published in the English language, customarily published on each Business Day and of general circulation in the City of New York, notice that such money remains unclaimed and that, after a date specified therein, which shall not be less than 30 calendar days from the date of such publication, any unclaimed balance of such money then remaining will be repaid to the Company.

Section 6.04 Merger, Consolidation and Sale of Assets. Except as otherwise provided as contemplated by Section 3.01 with respect to any series of Securities:

(a) The Company will not consolidate with any other entity or accept a merger of any other entity into the Company or permit the Company to be merged into any other entity, or sell other than for cash or lease all or substantially all its assets to another entity, or purchase all or substantially all the assets of another entity, unless (i) either the Company shall be the continuing entity, or the successor, transferee or lessee entity (if other than the Company) shall expressly assume, by indenture supplemental hereto, executed and delivered by such entity prior to or simultaneously with such consolidation, merger, sale or lease, the due and punctual payment of the principal of, premium, if any, or interest on all the Securities, according to their tenor, and the due and punctual performance and observance of all other obligations to the Holders and the Trustee under this Indenture or under the Securities to be performed or observed by the Company; and (ii) immediately after such consolidation, merger, sale, lease or purchase the Company or the

successor, transferee or lessee entity (if other than the Company) would not be in Default in the performance of any covenant or condition of this Indenture. A purchase by a Subsidiary of all or substantially all of the assets of another entity shall not be deemed to be a purchase of such assets by the Company.

(b) Upon any consolidation with or merger into any other entity, or any sale other than for cash, or any conveyance or lease of all or substantially all of the assets of the Company in accordance with this Section 6.04, the successor entity formed by such consolidation or into or with which the Company is merged or to which the Company is sold or to which such conveyance, transfer or lease is made shall succeed to, and be substituted for, and may exercise every right and power of, the Company under this Indenture with the same effect as if such successor entity had been named as the Company herein, and thereafter, except in the case of a lease, the predecessor Company shall be relieved of all obligations and covenants under this Indenture and the Securities, and from time to time such entity may exercise each and every right and power of the Company under this Indenture, in the name of the Company, or in its own name; and any act or proceeding by any provision of this Indenture required or permitted to be done by the Board of Directors or any officer of the Company may be done with like force and effect by the like board of directors or officer of any entity that shall at the time be the successor of the Company hereunder. In the event of any such sale or conveyance, but not any such lease, the Company (or any successor entity which shall theretofore have become such in the manner described in this Section 6.04) shall be discharged from all obligations and covenants under this Indenture and the Securities and may thereupon be dissolved and liquidated.

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Section 6.05 Compliance Certificate. Except as otherwise provided as contemplated by Section 3.01 with respect to any series of Securities, the Company shall furnish to the Trustee annually, within 120 days after the end of each fiscal year, a brief certificate from the principal executive officer, principal financial officer, principal accounting officer or vice president and treasurer as to his or her knowledge of the Company's compliance with all conditions and covenants under this Indenture (which compliance shall be determined without regard to any period of grace or requirement of notice provided under this Indenture) and, in the event of any Default, specifying each such Default and the nature and status thereof of which such person may have knowledge. Such certificates need not comply with Section 16.01 of this Indenture.

Section 6.06 Conditional Waiver by Holders of Securities. Anything in this Indenture to the contrary notwithstanding, the Company may fail or omit in any particular instance to comply with a covenant or condition set forth herein with respect to any series of Securities if the Company shall have obtained and filed with the Trustee, prior to the time of such failure or omission, evidence (as provided in Article VIII) of the consent of the Holders of a majority in aggregate principal amount of the Securities of such series affected by such waiver at the time Outstanding, either waiving such compliance in such instance or generally waiving compliance with such covenant or condition, but no such waiver shall extend to or affect such covenant or condition except to the extent so expressly waived, or impair any right consequent thereon and, until such waiver shall have become effective, the obligations of the Company and the duties of the Trustee in respect of any such covenant or condition shall remain in full force and effect.

Section 6.07 Statement by Officers as to Default. The Company shall deliver to the Trustee as soon as possible and in any event within 30 calendar days after the Company becomes aware of the occurrence of any Event of Default or an event which, with the giving of notice or the lapse of time or both, would constitute an Event of Default, an Officer's Certificate setting forth the details of such Event of Default or Default and the action which the Company proposes to take with respect thereto.

ARTICLE VII

REMEDIES OF TRUSTEE AND SECURITYHOLDERS

Section 7.01 Events of Default. Except where otherwise indicated by the context or where the term is otherwise defined for a specific purpose, the term "Event of Default" as used in this Indenture with respect to Securities of any series shall mean one of the following described events unless it is either inapplicable to a particular series or it is specifically deleted or modified in the manner contemplated in Section 3.01:

- (a) the failure of the Company to pay any installment of interest on any Security of such series when and as the same shall become payable, which failure shall have continued unremedied for a period of 30 calendar days;
- (b) the failure of the Company to pay the principal of and premium, if any, on any Security of such series, when and as the same shall become payable, whether at Maturity as therein expressed, by call for redemption (otherwise than pursuant to a sinking fund), by declaration as authorized by this Indenture or otherwise;

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(c) the failure of the Company to pay a sinking fund installment, if any, when and as the same shall become payable by the terms of a Security of such series, which failure shall have continued unremedied for a period of 30 calendar days;

(d) the failure of the Company, subject to the provisions of Section 6.06, to perform any covenants or agreements contained in this Indenture, including any indenture supplemental hereto pursuant to which the Securities of such series were issued as contemplated by Section 3.01 (other than a covenant or agreement which has been expressly included in this Indenture solely for the benefit of a series of Securities other than that series and other than a covenant or agreement a default in the performance of which is elsewhere in this Section 7.01 specifically addressed), which failure shall not have been remedied, or without provision deemed to be adequate for the remedying thereof having been made, for a period of 90 calendar days after written notice shall have been given to the Company by the Trustee or shall have been given to the Company and the Trustee by Holders of not less than 25% in aggregate principal amount of the Securities of such series then Outstanding, specifying such failure, requiring the Company to remedy the same and stating that such notice is a "Notice of Default" hereunder;

(e) the entry by a court having jurisdiction in the premises of (i) a decree or order for relief in respect of the Company in an involuntary case or proceeding under the Bankruptcy Code or any applicable state bankruptcy, insolvency, reorganization, or other similar law or (ii) a decree or order adjudging the Company bankrupt or insolvent, or approving as properly filed a petition seeking reorganization, arrangement, adjustment, or composition of or in respect of the Company under any applicable federal or state law, or appointing a custodian, receiver, liquidator, assignee, trustee, sequestrator, or other similar official of the Company or of any substantial part of its property, or ordering the winding up or liquidation of its affairs, and the continuance of any such decree or order for relief or any such other decree or order unstayed and in effect for a period of 60 consecutive calendar days;

(f) the commencement by the Company of a voluntary case or proceeding under the Bankruptcy Code or any applicable state bankruptcy, insolvency, reorganization, or other similar law or of any other case or proceeding to be adjudicated bankrupt or insolvent, or the consent by it to the entry of a decree or order for relief in respect of the Company in an involuntary case or proceeding under the Bankruptcy Code or any applicable state bankruptcy, insolvency, reorganization, or other similar law or to the commencement of any bankruptcy or insolvency case or proceeding against it, or the filing by it of a petition or answer or consent seeking reorganization or relief with respect to the Company under the Bankruptcy Code or any applicable state bankruptcy, insolvency, reorganization, or other similar law, or the consent by it to the filing of such petition or to the appointment of or taking possession by a custodian, receiver, liquidator, assignee, trustee, sequestrator, or other similar official of the Company or of any substantial part of its property pursuant to any such law, or the making by it of an assignment for the benefit of creditors, or the admission by it in writing of its inability to pay its debts generally as they become due, or the taking of corporate action by the Company in furtherance of any such action; or

(g) the occurrence of any other Event of Default with respect to Securities of such series as provided in Section 3.01;

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provided, however, that no event described in clause (d) or (other than with respect to a payment default) (g) above shall constitute an Event of Default hereunder until a Responsible Officer assigned to and working in the Trustee's corporate trust department has actual knowledge thereof or until a written notice of any such event is received by the Trustee at the Corporate Trust Office, and such notice refers to the facts underlying such event, the Securities generally, the Company and the Indenture.

Section 7.02 Acceleration; Rescission and Annulment.

(a) Except as otherwise provided as contemplated by Section 3.01 with respect to any series of Securities, if any one or more of the above-described Events of Default (other than an Event of Default specified in Section 7.01(e) or 7.01(f)) shall happen with respect to Securities of any series at the time Outstanding, then, and in each and every such case, during the continuance of any such Event of Default, the Trustee or the Holders of not less than 25% in aggregate principal amount of the Securities of such series then Outstanding may declare the principal (or, if the Securities of that series are Original Issue Discount Securities, such portion of the principal amount as may be specified in the terms of that series) of and all accrued but unpaid interest on all the Securities of such series then Outstanding to be due and payable immediately by a notice in writing to the Company (and to the Trustee if given by Holders), and upon any such declaration such principal amount (or specified amount) shall become immediately due and payable. If an Event of Default specified in Section 7.01(e) or 7.01(f) occurs and is continuing, then in every such case, the principal amount of all of the Securities of that series then Outstanding shall automatically, and without any declaration or any other action on the part of the Trustee or any Holder, become due and payable immediately. Upon payment of such amounts in the Currency in which such Securities are denominated (subject to Section 3.11 and except as otherwise provided pursuant to Section 3.01), all obligations of the Company in respect of the payment of principal of and interest on the Securities of such series shall terminate.

(b) At any time after such a declaration of acceleration with respect to the Securities of any series has been made and before a judgment or decree for payment of the money due has been obtained by the Trustee as hereinafter provided in this Article, the Event of Default giving rise to such declaration of acceleration shall, without further act, be deemed to have been waived, and such declaration and its consequences shall, without further act, be deemed to have been rescinded and annulled, if:

(i) the Company has paid or deposited with the Trustee or Paying Agent a sum in the Currency in which such Securities are denominated (subject to Section 3.11 and except as otherwise provided pursuant to Section 3.01) sufficient to pay:

(A) all amounts owing to the Trustee and any predecessor trustee hereunder under Section 11.01(a) (provided, however, that all sums payable under this clause (A) shall be paid in U.S. Dollars);

(B) all arrears of interest, if any, upon all the Securities of such series (with interest, to the extent that interest thereon shall be legally enforceable, on any overdue installment of interest at the rate borne by

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such Securities at the rate or rates prescribed therefor in such Securities); and

(C) the principal of and premium, if any, on any Securities of such series that have become due otherwise than by such declaration of acceleration and interest thereon;

(ii) every other Default and Event of Default with respect to Securities of that series, other than the non-payment of the principal of Securities of that series which have become due solely by such declaration of acceleration, have been cured or waived as provided in Section 7.06.

(c) No such rescission shall affect any subsequent default or impair any right consequent thereon.

(d) For all purposes under this Indenture, if a portion of the principal of any Original Issue Discount Securities shall have been accelerated and declared due and payable pursuant to the provisions hereof, then, from and after such declaration, unless such declaration has been rescinded and annulled, the principal amount of such Original Issue Discount Securities shall be deemed, for all purposes hereunder, to be such portion of the principal thereof as shall be due and payable as a result of such acceleration, and payment of such portion of the principal thereof as shall be due and payable as a result of such acceleration, together with interest, if any, thereon and all other amounts owing thereunder, shall constitute payment in full of such Original Issue Discount Securities.

Section 7.03 Other Remedies. If the Company shall fail for a period of 30 calendar days to pay any installment of interest on the Securities of any series or shall fail to pay the principal of and premium, if any, on any of the Securities of such series when and as the same shall become due and payable, whether at Maturity, or by call for redemption (other than pursuant to the sinking fund), by declaration as authorized by this Indenture, or otherwise, or shall

fail for a period of 30 calendar days to make any required sinking fund payment as to a series of Securities, then, upon demand of the Trustee, the Company will pay to the Paying Agent, for the benefit of the Holders of Securities of such series then Outstanding, the whole amount which then shall have become due and payable on all the Securities of such series, with interest on the overdue principal and premium, if any, and (so far as the same may be legally enforceable) on the overdue installments of interest at the rate borne by the Securities of such series, and all amounts owing the Trustee and any predecessor trustee hereunder under Section 11.01(a).

In case the Company shall fail forthwith to pay such amounts upon such demand, the Trustee, in its own name and as trustee of an express trust, shall be entitled and empowered to institute any action or proceeding at law or in equity for the collection of the sums so due and unpaid, and may prosecute any such action or proceeding to judgment or final decree, and may enforce any such judgment or final decree against the Company or any other obligor upon the Securities of such series, and collect the moneys adjudged or decreed to be payable out of the property of the Company or any other obligor upon the Securities of such series, wherever situated, in the manner provided by law. Every recovery of judgment in any such action or other

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proceeding, subject to the payment to the Trustee of all amounts owing the Trustee and any predecessor trustee hereunder under Section 11.01(a), shall be for the ratable benefit of the Holders of such series of Securities which shall be the subject of such action or proceeding. All rights of action upon or under any of the Securities or this Indenture may be enforced by the Trustee without the possession of any of the Securities and without the production of any thereof at any trial or any proceeding relative thereto.

Section 7.04 Trustee as Attorney-in-Fact. The Trustee is hereby appointed, and each and every Holder of the Securities, by receiving and holding the same, shall be conclusively deemed to have appointed the Trustee, the true and lawful attorney-in-fact of such Holder, with authority to make or file (whether or not the Company shall be in Default in respect of the payment of the principal of, or interest on, any of the Securities), in its own name and as trustee of an express trust or otherwise as it shall deem advisable, in any receivership, insolvency, liquidation, bankruptcy, reorganization or other judicial proceeding relative to the Company or any other obligor upon the Securities or to their respective creditors or property, any and all claims, proofs of claim, proofs of debt, petitions, consents, other papers and documents and amendments of any thereof, as may be necessary or advisable in order to have the claims of the Trustee and any predecessor trustee hereunder and of the Holders of the Securities allowed in any such proceeding and to collect and receive any moneys or other property payable or deliverable on any such claim, and to execute and deliver any and all other papers and documents and to do and perform any and all other acts and things, as it may deem necessary or advisable in order to enforce in any such proceeding any of the claims of the Trustee and any predecessor trustee hereunder and of any of such Holders in respect of any of the Securities; and any receiver, assignee, trustee, custodian or debtor in any such proceeding is hereby authorized, and each and every Holder of the Securities, by receiving and holding the same, shall be conclusively deemed to have authorized any such receiver, assignee, trustee, custodian or debtor, to make any such payment or delivery only to or on the order of the Trustee, and to pay to the Trustee any amount due it and any predecessor trustee hereunder under Section 11.01(a); provided, however, that nothing herein contained shall be deemed to authorize or empower the Trustee to consent to or accept or adopt, on behalf of any Holder of Securities, any plan of reorganization or readjustment affecting the Securities or the rights of any Holder thereof, or to authorize or empower the Trustee to vote in respect of the claim of any Holder of any Securities in any such proceeding.

Section 7.05 Priorities. Any moneys or properties collected by the Trustee, or, after an Event of Default, any moneys or other property distributable in respect of the Company's obligations under this Indenture, in either case with respect to a series of Securities under this Article VII shall be applied in the order following, at the date or dates fixed by the Trustee for the distribution of such moneys or properties and, in the case of the distribution of such moneys or properties on account of the Securities of any series, upon presentation of the Securities of such series, and stamping thereon the payment, if only partially paid, and upon surrender thereof, if fully paid:

First: To the payment of all amounts due to the Trustee and any predecessor trustee under Section 11.01(a).

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Second: In case the principal of the Outstanding Securities of such series shall not have become due and be unpaid, to the payment of interest on the Securities of such series, in the chronological order of the Maturity of the installments of such interest, with interest (to the extent that such interest has been collected by the Trustee) upon the overdue installments of interest at the rate borne by such Securities, such payments to be made ratably to the Persons entitled thereto.

Third: In case the principal of the Outstanding Securities of such series shall have become due, by declaration or otherwise, to the payment of the whole amount then owing and unpaid upon the Securities of such series for principal and premium, if any, and interest, with interest on the overdue principal and premium, if any, and (to the extent that such interest has been collected by the Trustee) upon overdue installments of interest at the rate borne by the Securities of such series, and in case such moneys shall be insufficient to pay in full the whole amounts so due and unpaid upon the Securities of such series, then to the payment of such principal and premium, if any, and interest without preference or priority of principal and premium, if any, over interest, or of interest over principal and premium, if any, or of any installment of interest over any other installment of interest, or of any Security of such series over any other Security of such series, ratably to the aggregate of such principal and premium, if any, and accrued and unpaid interest.

Fourth: Any surplus then remaining shall be paid to the Company, its successors or assigns, or to whomsoever may be lawfully entitled to receive the same.

Section 7.06 Control by Securityholders; Waiver of Past Defaults. The Holders of a majority in principal amount of the Securities of any series at the time Outstanding may direct the time, method and place of conducting any proceeding for any remedy available to the Trustee hereunder, or of exercising any trust or power hereby conferred upon the Trustee with respect to the Securities of such series; provided, however, that, subject to the provisions of Section 11.02, the Trustee shall have the right to decline to follow any such direction if the Trustee being advised by counsel determines that the action so directed may not lawfully be taken or would be unduly prejudicial to Holders not joining in such direction or would involve the Trustee in personal liability. Prior to any declaration accelerating the Maturity of the Securities of any series, the Holders of a majority in aggregate principal amount of such series of Securities at the time Outstanding may on behalf of the Holders of all of the Securities of such series waive any past Default or Event of Default hereunder and its consequences except a Default in the payment of interest or any premium on or the principal of the Securities of such series. Upon any such waiver, the Company, the Trustee and the Holders of the Securities of such series shall be restored to their former positions and rights hereunder, respectively; provided that no such waiver shall extend to any subsequent or other Default or Event of Default or impair any right consequent thereon. Whenever any

Default or Event of Default hereunder shall have been waived as permitted by this Section 7.06, said Default or Event of Default shall for all purposes of the Securities of such series and this Indenture be deemed to have been cured and to be not continuing.

Section 7.07 Limitation on Suits. No Holder of any Security of any series shall have any right to institute any action, suit or proceeding at law or in equity for the execution of any trust hereunder or for the appointment of a receiver or for any other remedy hereunder, in each

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case with respect to an Event of Default with respect to such series of Securities, unless (i) such Holder previously shall have given to the Trustee written notice of one or more of the Events of Default herein specified with respect to such series of Securities, (ii) the Holders of not less than 25% in aggregate principal amount of the Securities of such series then Outstanding shall have requested the Trustee in writing to take action in respect of the matter complained of, (iii) there shall have been offered to the Trustee security and indemnity satisfactory to it against the costs, expenses and liabilities to be incurred therein or thereby, and (iv) the Trustee, for 60 calendar days after receipt of such notification, request and offer of indemnity, shall have neglected or refused to institute any such action, suit or proceeding; and such notification, request and offer of indemnity are hereby declared in every such case to be conditions precedent to any such action, suit or proceeding by any Holder of any Security of such series; it being understood and intended that no one or more of the Holders of Securities of such series shall have any right in any manner whatsoever by his, her, its or their action to enforce any right hereunder, except in the manner herein provided, and that every action, suit or proceeding at law or in equity shall be instituted, had and maintained in the manner herein provided and for the equal benefit of all Holders of the Outstanding Securities of such series; provided, however, that nothing in this Indenture or in the Securities of such series shall affect or impair the obligation of the Company, which is absolute and unconditional, to pay the principal of, premium, if any, and interest on, the Securities of such series to the respective Holders of such Securities at the respective due dates in such Securities stated, or affect or impair the right, which is also absolute and unconditional, of such Holders to institute suit to enforce the payment thereof.

Section 7.08 Undertaking for Costs. All parties to this Indenture and each Holder of any Security, by such Holder's acceptance thereof, shall be deemed to have agreed that any court may in its discretion require, in any action, suit or proceeding for the enforcement of any right or remedy under this Indenture, or in any action, suit or proceeding against the Trustee for any action taken or omitted by it as Trustee, the filing by any party litigant in such action, suit or proceeding of an undertaking to pay the costs of such action, suit or proceeding, and that such court may in its discretion assess reasonable costs, including reasonable attorneys' fees and expenses, against any party litigant in such action, suit or proceeding, having due regard to the merits and good faith of the claims or defenses made by such party litigant; provided, however, that the provisions of this Section 7.08 shall not apply to any action, suit or proceeding instituted by the Trustee, to any action, suit or proceeding instituted by any one or more Holders of Securities holding in the aggregate more than 10% in principal amount of the Securities of any series Outstanding, or to any action, suit or proceeding instituted by any Holder of Securities of any series for the enforcement of the payment of the principal of, premium, if any, or the interest on, any of the Securities of such series, on or after the respective due dates expressed in such Securities.

Section 7.09 Remedies Cumulative; Delay or Omission Not Waiver. No remedy herein conferred upon or reserved to the Trustee or to the Holders of Securities of any series is intended to be exclusive of any other remedy or remedies, and each and every remedy shall be cumulative and shall be in addition to every other remedy given hereunder or now or hereafter existing at law or in equity or by statute. No delay or omission of the Trustee or of any Holder of the Securities of any series to exercise any right or power accruing upon any Default or Event of Default shall impair any such right or power or shall be construed to be a waiver of any such Default or Event of Default or an acquiescence therein; and every power and remedy given by

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this Article VII to the Trustee and to the Holders of Securities of any series, respectively, may be exercised from time to time and as often as may be deemed expedient by the Trustee or by the Holders of Securities of such series, as the case may be. In case the Trustee or any Holder of Securities of any series shall have proceeded to enforce any right under this Indenture and the proceedings for the enforcement thereof shall have been discontinued or abandoned because of waiver or for any other reason, or shall have been adjudicated adversely to the Trustee or to such Holder of Securities, then and in every such case, subject to any determinations in such proceedings, the Company, the Trustee and the Holders of the Securities of such series shall severally and respectively be restored to their former positions and rights hereunder, and thereafter all rights, remedies and powers of the Trustee and the Holders of the Securities of such series shall continue as though no such proceedings had been taken, except as to any matters so waived or adjudicated.

ARTICLE VIII

CONCERNING THE SECURITYHOLDERS

Section 8.01 Evidence of Action of Securityholders. Whenever in this Indenture it is provided that the Holders of a specified percentage or a majority in aggregate principal amount of the Securities of or any series of Securities may take any action (including the making of any demand or request, the giving of any notice, consent or waiver or the taking of any other action), the fact that at the time of taking any such action the Holders of such specified percentage or majority have joined therein may be evidenced by (a) any instrument or any number of instruments of similar tenor executed by Securityholders in person, by an agent or by a proxy appointed in writing, including through an electronic system for tabulating consents operated by the Depositary for such series or otherwise (such action becoming effective, except as herein otherwise expressly provided, when such instruments or evidence of electronic consents are delivered to the Trustee and, where it is hereby expressly required, to the Company), or (b) by the record of the Holders of Securities voting in favor thereof at any meeting of Securityholders duly called and held in accordance with the provisions of Article IX, or (c) by a combination of such instrument or instruments and any such record of such a meeting of Securityholders.

Section 8.02 Proof of Execution or Holding of Securities. Proof of the execution of any instrument by a Securityholder or his, her or its agent or proxy and proof of the holding by any Person of any of the Securities shall be sufficient if made in the following manner:

(a) The fact and date of the execution by any Person of any such instrument may be proved (i) by the certificate of any notary public or other officer in any jurisdiction who, by the laws thereof, has power to take acknowledgments or proof of deeds to be recorded within such jurisdiction, that the Person who signed such instrument did acknowledge before such notary public or other officer the execution thereof, or (ii) by the affidavit of a witness of such execution sworn to before any such notary or other officer. Where such execution is by a Person acting in other than his or her individual capacity, such certificate or affidavit shall also constitute sufficient proof of his or her authority.

- (b) The ownership of Securities of any series shall be proved by the Register of such Securities or by a certificate of the Registrar for such series.
- (c) The record of any Holders' meeting shall be proved in the manner provided in Section 9.06.
- (d) The Trustee may require such additional proof of any matter referred to in this Section 8.02 as it shall deem appropriate or necessary, so long as the request is a reasonable one.
- (e) If the Company shall solicit from the Holders of Securities of any series any action, the Company may, at its option fix in advance a record date for the determination of Holders of Securities entitled to take such action, but the Company shall have no obligation to do so. Any such record date shall be fixed at the Company's discretion. If such a record date is fixed, such action may be sought or given before or after the record date, but only the Holders of Securities of record at the close of business on such record date shall be deemed to be Holders of Securities for the purpose of determining whether Holders of the requisite proportion of Outstanding Securities of such series have authorized or agreed or consented to such action, and for that purpose the Outstanding Securities of such series shall be computed as of such record date.

Section 8.03 Persons Deemed Owners.

- (a) The Company, the Trustee and any agent of the Company or the Trustee may treat the Person in whose name any Security is registered as the owner of such Security for the purpose of receiving payment of principal of and premium, if any, and (subject to Section 3.08) interest, if any, on, such Security and for all other purposes whatsoever, whether or not such Security be overdue, and neither the Company, the Trustee nor any agent of the Company or the Trustee shall be affected by notice to the contrary. All payments made to any Holder, or upon his, her or its order, shall be valid, and, to the extent of the sum or sums paid, effectual to satisfy and discharge the liability for moneys payable upon such Security.
- (b) None of the Company, the Trustee, any Paying Agent or the Registrar will have any responsibility or liability for any aspect of the records relating to or payments made on account of beneficial ownership interests in a Global Security or for maintaining, supervising or reviewing any records relating to such beneficial ownership interests.

Section 8.04 Effect of Consents. After an amendment, supplement, waiver or other action becomes effective as to any series of Securities, a consent to it by a Holder of such series of Securities is a continuing consent conclusive and binding upon such Holder and every subsequent Holder of the same Securities or portion thereof, and of any Security issued upon the transfer thereof or in exchange therefor or in place thereof, even if notation of the consent is not made on any such Security. An amendment, supplement or waiver becomes effective in accordance with its terms and thereafter binds every Holder.

ARTICLE IX

SECURITYHOLDERS' MEETINGS

Section 9.01 Purposes of Meetings. A meeting of Securityholders of any or all series may be called at any time and from time to time pursuant to the provisions of this Article IX for any of the following purposes:

- (a) to give any notice to the Company or to the Trustee, or to give any directions to the Trustee, or to consent to the waiving of any Default or Event of Default hereunder and its consequences, or to take any other action authorized to be taken by Securityholders pursuant to any of the provisions of Article VIII;
- (b) to remove the Trustee and nominate a successor trustee pursuant to the provisions of Article XI;
- (c) to consent to the execution of an Indenture or of indentures supplemental hereto pursuant to the provisions of Section 14.02; or
- (d) to take any other action authorized to be taken by or on behalf of the Holders of any specified aggregate principal amount of the Securities of any one or more or all series, as the case may be, under any other provision of this Indenture or under applicable law.

Section 9.02 Call of Meetings by Trustee. The Trustee may at any time call a meeting of all Securityholders of all series that may be affected by the action proposed to be taken, to take any action specified in Section 9.01, to be held at such time and at such place as the Trustee shall determine. Notice of every meeting of the Securityholders of a series, setting forth the time and the place of such meeting and in general terms the action proposed to be taken at such meeting, shall be mailed to Holders of Securities of such series at their addresses as they shall appear on the Register. Such notice shall be mailed not less than 20 nor more than 90 calendar days prior to the date fixed for the meeting.

Section 9.03 Call of Meetings by Company or Securityholders. In case at any time the Company or the Holders of at least 10% in aggregate principal amount of the Securities of a series (or of all series, as the case may be) then Outstanding that may be affected by the action proposed to be taken shall have requested the Trustee to call a meeting of Securityholders of such series (or of all series), by written request setting forth in reasonable detail the action proposed to be taken at the meeting, and the Trustee shall not have mailed the notice of such meeting within 20 days after receipt of such request, then the Company or such Securityholders may determine the time and the place for such meeting and may call such meeting to take any action authorized in Section 9.01, by mailing notice thereof as provided in Section 9.02.

Section 9.04 Qualifications for Voting. To be entitled to vote at any meeting of Securityholders, a Person shall (a) be a Holder of one or more Securities affected by the action proposed to be taken at the meeting or (b) be a Person appointed by an instrument in writing as proxy by a Holder of one or more such Securities. The only Persons who shall be entitled to be present or to speak at any meeting of Securityholders shall be the Persons entitled to vote at such meeting and their counsel and any representatives of the Trustee and its counsel and any representatives of the Company and its counsel.

Section 9.05 Regulation of Meetings.

(a) Notwithstanding any other provisions of this Indenture, the Trustee may make such reasonable regulations as it may deem advisable for any meeting of Securityholders, in regard to proof of the holding of Securities and of the appointment of proxies, and in regard to the appointment and duties of inspectors of votes, the submission and examination of proxies, certificates and other evidence of the right to vote, and such other matters concerning the conduct of the meeting as it shall deem fit.

(b) The Trustee shall, by an instrument in writing, appoint a temporary chairman of the meeting, unless the meeting shall have been called by the Company or by Securityholders as provided in Section 9.03, in which case the Company or the Securityholders calling the meeting, as the case may be, shall in like manner appoint a temporary chair. A permanent chairman and a permanent secretary of the meeting shall be elected by majority vote of the meeting.

(c) At any meeting of Securityholders of a series, each Securityholder of such series of such Securityholder's proxy shall be entitled to one vote for each \$1,000 principal amount of Securities of such series Outstanding held or represented by him; provided, however, that no vote shall be cast or counted at any meeting in respect of any Security challenged as not Outstanding and ruled by the chairman of the meeting to be not Outstanding. The chairman of the meeting shall have no right to vote other than by virtue of Securities of such series held by him or her or instruments in writing as aforesaid duly designating him or her as the Person to vote on behalf of other Securityholders. At any meeting of the Securityholders duly called pursuant to the provisions of Section 9.02 or 9.03, the presence of Persons holding or representing Securities in an aggregate principal amount sufficient to take action upon the business for the transaction of which such meeting was called shall be necessary to constitute a quorum, and any such meeting may be adjourned from time to time by a majority of those present, whether or not constituting a quorum, and the meeting may be held as so adjourned without further notice.

Section 9.06 Voting. The vote upon any resolution submitted to any meeting of Securityholders of a series shall be by written ballots on which shall be subscribed the signatures of the Holders of Securities of such series or of their representatives by proxy and the principal amounts of the Securities of such series held or represented by them. The permanent chairman of the meeting shall appoint two inspectors of votes who shall count all votes cast at the meeting for or against any resolution and who shall make and file with the secretary of the meeting their verified written reports in duplicate of all votes cast at the meeting. A record in duplicate of the proceedings of each meeting of Securityholders shall be prepared by the secretary of the meeting and there shall be attached to said record the original reports of the inspectors of votes on any vote by ballot taken thereat and affidavits by one or more Persons having knowledge of the facts setting forth a copy of the notice of the meeting and showing that said notice was mailed as provided in Section 9.02. The record shall show the principal amounts of the Securities voting in favor of or against any resolution. The record shall be signed and verified by the affidavits of the permanent chairman and secretary of the meeting and one of the duplicates shall be delivered to the Company and the other to the Trustee to be preserved by the Trustee.

Any record so signed and verified shall be conclusive evidence of the matters therein stated.

Section 9.07 No Delay of Rights by Meeting. Nothing contained in this Article IX shall be deemed or construed to authorize or permit, by reason of any call of a meeting of Securityholders of any series or any rights expressly or impliedly conferred hereunder to make such call, any hindrance or delay in the exercise of any right or rights conferred upon or reserved to the Trustee or to the Securityholders of such series under any of the provisions of this Indenture or of the Securities of such series.

ARTICLE X

**REPORTS BY THE COMPANY AND THE TRUSTEE AND
SECURITYHOLDERS' LISTS**

Section 10.01 Reports by Trustee.

(a) So long as any Securities are Outstanding, the Trustee shall transmit to Holders such reports concerning the Trustee and its actions under this Indenture as may be required pursuant to the Trust Indenture Act at the times and in the manner provided therein. If required by Section 313(a) of the TIA, the Trustee shall, within 60 calendar days after each [] following the date of this Indenture deliver to Holders a brief report, dated as of such [], which complies with the provisions of such Section 313(a).

(b) The Trustee shall, at the time of the transmission to the Holders of Securities of any report pursuant to the provisions of this Section 10.01, file a copy of such report with each securities exchange upon which the Securities are listed or each automated quotation system on which the Securities are quoted, if any, and also with the SEC in respect of a Security listed and registered on a national securities exchange or automated quotation system, if any. The Company agrees to notify the Trustee when, as and if the Securities become listed on any securities exchange or admitted to trading on any automated quotation system and of any delisting thereof.

The Company will reimburse the Trustee for all expenses incurred in the preparation and transmission of any report pursuant to the provisions of this Section 10.01 and of Section 10.02.

Section 10.02 Reports by the Company. The Company shall file with the Trustee and the SEC, and transmit to Holders, such information, documents and other reports, and such summaries thereof, as may be required pursuant to the Trust Indenture Act at the times and in the manner provided in the Trust Indenture Act; provided that, any such information, documents or reports required to be filed with the SEC pursuant to Section 13 or 15(d) of the Exchange Act shall be filed with the Trustee within 30 calendar days after the same is filed with the SEC; provided further that the filing of the reports specified in Section 13 or 15(d) of the Exchange Act by an entity that is the direct or indirect parent of the Company will satisfy the requirements of this Section 10.02 so long as such entity is an obligor or guarantor on the Securities; provided

further that the reports of such entity will not be required to include condensed consolidating financial information for the Company in a footnote to the financial statements of such entity.

Delivery of such reports, information and documents to the Trustee is for informational purposes only and the Trustee's receipt of such shall not constitute constructive notice of any information contained therein or determinable from information contained therein, including the Company's compliance with any of its covenants hereunder (as to which the Trustee is entitled to rely exclusively on Officer's Certificates).

Section 10.03 Securityholders' Lists. The Company covenants and agrees that it will furnish or cause to be furnished to the Trustee:

(a) semi-annually, within 15 calendar days after each Record Date, but in any event not less frequently than semi-annually, a list in such form as the Trustee may reasonably require of the names and addresses of the Holders of Securities to which such Record Date applies, as of such Record Date, and

(b) at such other times as the Trustee may request in writing, within 30 calendar days after receipt by the Company of any such request, a list of similar form and content as of a date not more than 15 calendar days prior to the time such list is furnished;

provided, however, that so long as the Trustee shall be the Registrar, such lists shall not be required to be furnished.

ARTICLE XI

CONCERNING THE TRUSTEE

Section 11.01 Rights of Trustees; Compensation and Indemnity. The Trustee accepts the trusts created by this Indenture upon the terms and conditions hereof, including the following, to all of which the parties hereto and the Holders from time to time of the Securities agree:

(a) The Trustee shall be entitled to such compensation as the Company and the Trustee shall from time to time agree in writing for all services rendered by it hereunder (including in any agent capacity in which it acts). The compensation of the Trustee shall not be limited by any provision of law in regard to the compensation of a trustee of an express trust. The Company shall reimburse the Trustee promptly upon its request for all reasonable out-of-pocket expenses, disbursements and advances incurred or made by the Trustee (including the reasonable expenses and disbursements of its agents and counsel), except any such expense, disbursement or advance as shall be determined to have been caused by its own negligence, bad faith or willful misconduct.

The Company also agrees to indemnify each of the Trustee and any predecessor Trustee hereunder for, and to hold it harmless against, any and all loss, liability, damage, claim, or expense incurred without its own negligence, bad faith or willful misconduct, arising out of or in connection with the acceptance or administration of the trust or trusts hereunder and the performance of its duties (including in any agent capacity in which it acts), as well as the costs and expenses of defending itself against any claim or liability in connection with the exercise or

performance of any of its powers or duties hereunder, except those attributable to its negligence, willful misconduct or bad faith. The Trustee shall notify the Company promptly of any claim for which it may seek indemnity; provided, however, that the failure to so notify the Company will not affect the obligations of the Company hereunder to indemnify. The Company shall defend the claim and the Trustee shall cooperate in the defense. The Company need not pay for any settlement made without its consent, which consent shall not be unreasonably withheld.

As security for the performance of the obligations of the Company under this Section 11.01(a), the Trustee shall have a lien upon all property and funds held or collected by the Trustee as such, except funds held in trust by the Trustee to pay principal of and interest on any Securities. Notwithstanding any provisions of this Indenture to the contrary, the obligations of the Company to compensate and indemnify the Trustee under this Section 11.01(a) shall survive the resignation or removal of the Trustee, any satisfaction and discharge under Article XII, the payment of any Securities and the termination of this Indenture for any reason. In addition to and without prejudice to its other rights hereunder, when the Trustee incurs expenses or renders services after an Event of Default specified in clause (e) or (f) of Section 7.01 occurs, the expenses and compensation for the services are intended to constitute expenses of administration under the Bankruptcy Code or any applicable state bankruptcy, insolvency or similar laws.

(b) The Trustee may execute any of the trusts or powers hereof and perform any duty hereunder either directly or by its agents and attorneys and shall not be responsible for any misconduct or negligence on the part of any agent or attorney appointed with due care by it hereunder.

(c) The Trustee shall not be responsible in any manner whatsoever for the correctness of the recitals herein or in the Securities (except its certificates of authentication thereon) contained, all of which are made solely by the Company; and the Trustee shall not be responsible or accountable in any manner whatsoever for or with respect to the validity or execution or sufficiency of this Indenture or of the Securities (except its certificates of authentication thereon), and the Trustee makes no representation with respect thereto, except that the Trustee represents that it is duly authorized to execute and deliver this Indenture, authenticate the Securities and perform its obligations hereunder and that the statements made by it in a Statement of Eligibility on Form T-1 supplied to the Company are true and accurate, subject to the qualifications set forth therein. The Trustee shall not be accountable for the use or application by the Company of any Securities, or the proceeds of any Securities.

(d) The Trustee may consult with counsel of its selection, and, subject to Section 11.02, the advice of such counsel or any Opinion of Counsel shall be full and complete authorization and protection in respect of any action taken, suffered or omitted by the Trustee hereunder in reliance thereon.

(e) The Trustee, subject to Section 11.02, may rely upon the certificate of the Secretary or one of the Assistant Secretaries of the Company as to the adoption of any Board Resolution or resolution of the stockholders of the Company, and any request, direction, order or demand of the Company mentioned herein shall be sufficiently evidenced by, and whenever in the administration of this Indenture the Trustee shall deem it desirable that a matter be proved or

established prior to taking, suffering or omitting any action hereunder, the Trustee may rely upon, an Officer's Certificate of the Company (unless other evidence in respect thereof be herein specifically prescribed).

(f) Subject to Section 11.04, the Trustee or any agent of the Trustee, in its individual or any other capacity, may become the owner or pledgee of Securities and, subject to Sections 310(b) and 311 of the TIA, may otherwise deal with the Company with the same rights it would have had if it were not the Trustee or such agent.

(g) Money held by the Trustee in trust hereunder need not be segregated from other funds except to the extent required by law. The Trustee shall be under no liability for interest on or investment of any money received by it hereunder except as otherwise agreed in writing with the Company.

(h) Any action taken by the Trustee pursuant to any provision hereof at the request or with the consent of any Person who at the time is the Holder of any Security shall be conclusive and binding in respect of such Security upon all future Holders thereof or of any Security or Securities which may be issued for or in lieu thereof in whole or in part, whether or not such Security shall have noted thereon the fact that such request or consent had been made or given.

(i) Subject to the provisions of Section 11.02, the Trustee may conclusively rely and shall be fully protected in acting or refraining from acting upon any resolution, certificate, statement, instrument, opinion, report, notice, request, consent, order, approval, bond, debenture or other paper or document believed by it to be genuine and to have been signed or presented by the proper party or parties.

(j) Subject to the provisions of Section 11.02, the Trustee shall not be under any obligation to exercise any of the rights or powers vested in it by this Indenture at the request, order or direction of any of the Holders of the Securities, pursuant to any provision of this Indenture, unless one or more of the Holders of the Securities shall have offered to the Trustee security or indemnity satisfactory to it against the costs, expenses and liabilities which may be incurred by it therein or thereby.

(k) Subject to the provisions of Section 11.02, the Trustee shall not be liable for any action taken, suffered or omitted to be taken by it in good faith and believed by it to be authorized or within its discretion or within the rights or powers conferred upon it by this Indenture.

(l) Subject to the provisions of Section 11.02, the Trustee shall not be deemed to have knowledge or be charged with notice of any Default or Event of Default with respect to any Securities unless a Responsible Officer of the Trustee has actual knowledge thereof or unless the Holders of not less than 25% of the Outstanding Securities notify the Trustee thereof by a written notice to the Trustee that is received by the Trustee at its Corporate Trust Office and such notice references such Securities and this Indenture.

(m) Subject to the provisions of the first paragraph of Section 11.02, the Trustee shall not be bound to make any investigation into the facts or matters stated in any

resolution, certificate, statement, instrument, opinion, report, notice, request, direction, consent, order, bond, debenture, note, other evidence of Indebtedness or other paper or document; provided, however, that the Trustee, may, but shall not be required to, make further inquiry or investigation into such facts or matters as it may see fit.

(n) The rights, privileges, protections, immunities and benefits given to the Trustee, including, without limitation, its right to be indemnified, are extended to, and shall be enforceable by, the Trustee in each of its capacities hereunder, and to each agent, custodian and other person employed to act hereunder.

(o) In no event shall the Trustee be responsible or liable for special, indirect, punitive, or consequential loss or damage of any kind whatsoever (including, but not limited to, loss of profit) irrespective of whether the Trustee has been advised of the likelihood of such loss or damage and regardless of the form of action.

(p) The Trustee may request that the Company deliver an Officer's Certificate setting forth the names of individuals and/or titles of officers authorized at such time to take specified actions pursuant to this Indenture, which Officer's Certificate may be signed by any person authorized to sign an Officer's Certificate, including any person specified as so authorized in any such certificate previously delivered and not superseded.

(q) The permissive right of the Trustee to take or refrain from taking action hereunder shall not be construed as a duty.

Section 11.02 Duties of Trustee.

(a) If one or more of the Events of Default specified in Section 7.01 with respect to the Securities of any series shall have happened, then, during the continuance thereof, the Trustee shall, with respect to such Securities, exercise such of the rights and powers vested in it by this Indenture, and shall use the same degree of care and skill in their exercise, as a prudent person would exercise or use under the circumstances in the conduct of such person's own affairs.

(b) None of the provisions of this Indenture shall be construed as relieving the Trustee from liability for its own negligent action, negligent failure to act, or its own willful misconduct, except that, anything in this Indenture contained to the contrary notwithstanding,

(i) unless and until an Event of Default specified in Section 7.01 with respect to the Securities of any series shall have happened which at the time is continuing,

(A) the Trustee undertakes to perform such duties and only such duties with respect to the Securities of that series as are specifically set out in this Indenture, and no implied covenants or obligations shall be read into this Indenture against the Trustee, whose duties and obligations shall be determined solely by the express provisions of this Indenture; and

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(B) the Trustee may conclusively rely, as to the truth of the statements and the correctness of the opinions expressed therein, in the absence of bad faith on the part of the Trustee, upon certificates and opinions furnished to it pursuant to the express provisions of this Indenture; provided that, in the case of any such certificates or opinions which, by the provisions of this Indenture, are specifically required to be furnished to the Trustee, the Trustee shall be under a duty to examine the same to determine whether or not they conform to the requirements of this Indenture (but need not confirm or investigate the accuracy of mathematical calculations or other facts, statements, opinions or conclusions stated therein);

(ii) the Trustee shall not be liable to any Holder of Securities or to any other Person for any error of judgment made in good faith by a Responsible Officer of the Trustee, unless it shall be proved that the Trustee was negligent in ascertaining the pertinent facts; and

(iii) the Trustee shall not be liable to any Holder of Securities or to any other Person with respect to any action taken or omitted to be taken by it in good faith, in accordance with the direction of Securityholders given as provided in Section 7.06, relating to the time, method and place of conducting any proceeding for any remedy available to it or exercising any trust or power conferred upon it by this Indenture.

(c) None of the provisions of this Indenture shall require the Trustee to expend or risk its own funds or otherwise to incur any financial liability in the performance of any of its duties hereunder, or in the exercise of any of its rights or powers, if it shall have reasonable grounds for believing that repayment of such funds or adequate indemnity against such risk or liability is not reasonably assured to it.

(d) Whether or not therein expressly so provided, every provision of this Indenture relating to the conduct or affecting the liability of or affording protection to the Trustee shall be subject to the provisions of this Section 11.02.

Section 11.03 Notice of Defaults. Within 90 calendar days after the occurrence thereof, and if known to the Trustee, the Trustee shall give to the Holders of the Securities of a series notice of each Default or Event of Default with respect to the Securities of such series known to the Trustee, by transmitting such notice to Holders at their addresses as the same shall then appear on the Register, unless such Default shall have been cured or waived before the giving of such notice (the term “Default” being hereby defined to be the events specified in Section 7.01, which are, or after notice or lapse of time or both would become, Events of Default as defined in said Section). Except in the case of a Default or Event of Default in payment of the principal of, premium, if any, or interest on, any of the Securities of such series when and as the same shall become payable, or to make any sinking fund payment as to Securities of the same series, the Trustee shall be protected in withholding such notice, if and so long as a Responsible Officer or Responsible Officers of the Trustee in good faith determines that the withholding of such notice is in the interests of the Holders of the Securities of such series.

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Section 11.04 Eligibility; Disqualification.

(a) The Trustee shall at all times satisfy the requirements of Section 310(a) of the TIA. The Trustee shall have a combined capital and surplus of at least \$50 million as set forth in its most recent published annual report of condition, and shall have a Corporate Trust Office. If at any time the Trustee shall cease to be eligible in accordance with the provisions of this Section 11.04, it shall resign immediately in the manner and with the effect hereinafter specified in this Article.

(b) The Trustee shall comply with Section 310(b) of the TIA; provided, however, that there shall be excluded from the operation of Section 310(b)(i) of the TIA any indenture or indentures under which other securities or certificates of interest or participation in other securities of the Company are Outstanding if the requirements for such exclusion set forth in Section 310(b)(i) of the TIA are met. If the Trustee has or shall acquire a conflicting interest within the meaning of Section 310(b) of the TIA, the Trustee shall either eliminate such interest or resign, to the extent and in the manner provided by, and subject to the provisions of, the Trust Indenture Act and this Indenture. If Section 310(b) of the TIA is amended any time after the date of this Indenture to change the circumstances under which a Trustee shall be deemed to have a conflicting interest with respect to the Securities of any series or to change any of the definitions in connection therewith, this Section 11.04 shall be automatically amended to incorporate such changes.

Section 11.05 Resignation and Notice; Removal. The Trustee, or any successor to it hereafter appointed, may at any time resign and be discharged of the trusts hereby created with respect to any one or more or all series of Securities by giving to the Company notice in writing. Such resignation shall take effect upon the appointment of a successor Trustee and the acceptance of such appointment by such successor Trustee. Any Trustee hereunder may be removed with respect to any series of Securities at any time by the filing with such Trustee and the delivery to the Company of an instrument or instruments in writing signed by the Holders of a majority in principal amount of the Securities of such series then Outstanding, specifying such removal and the date when it shall become effective.

If at any time:

(1) the Trustee shall fail to comply with the provisions of Section 310(b) of the TIA after written request therefor by the Company or by any Holder who has been a *bona fide* Holder of a Security for at least six months, or

(2) the Trustee shall cease to be eligible under Section 11.04 and shall fail to resign after written request therefor by the Company or by any Holder who has been a *bona fide* Holder of a Security for at least six months, or

(3) the Trustee shall become incapable of acting or shall be adjudged a bankrupt or insolvent or a receiver of the Trustee or of its property shall be appointed or any public officer shall take charge or control of the Trustee or of its property or affairs for the purpose of rehabilitation, conservation or liquidation,

then, in any such case, (i) the Company by written notice to the Trustee may remove the Trustee and appoint a successor Trustee with respect to all Securities, or (ii) subject to Section 315(e) of the TIA, any Securityholder who has been a *bona fide* Holder of a Security for at least six months may, on behalf of himself and all others similarly situated, petition any court of competent jurisdiction for the removal of the Trustee with respect to all Securities and the appointment of a successor Trustee or Trustees.

Upon its resignation or removal, any Trustee shall be entitled to the payment of reasonable compensation for the services rendered hereunder by such Trustee and to the payment of all reasonable expenses incurred hereunder and all moneys then due to it hereunder. The Trustee's rights to indemnification and its lien provided in Section 11.01(a) shall survive its resignation or removal, the satisfaction and discharge of this Indenture and the termination of this Indenture for any reason.

Section 11.06 Successor Trustee by Appointment.

(a) In case at any time the Trustee shall resign, or shall be removed (unless the Trustee shall be removed as provided in Section 11.04(b), in which event the vacancy shall be filled as provided in Section 11.04(b)), or shall become incapable of acting, or shall be adjudged bankrupt or insolvent, or if a receiver of the Trustee or of its property shall be appointed, or if any public officer shall take charge or control of the Trustee or of its property or affairs for the purpose of rehabilitation, conservation or liquidation with respect to the Securities of one or more series, a successor Trustee with respect to the Securities of that or those series (it being understood that any such successor Trustee may be appointed with respect to the Securities of one or more or all of such series and that at any time there shall be only one Trustee with respect to the Securities of any series) may be appointed by the Holders of a majority in aggregate principal amount of the Securities of that or those series then Outstanding, by an instrument or instruments in writing signed in duplicate by such Holders and filed, one original thereof with the Company and the other with the successor Trustee; provided that, until a successor Trustee shall have been so appointed by the Holders of Securities of that or those series as herein authorized, the Company, or, in case all or substantially all the assets of the Company shall be in the possession of one or more custodians or receivers lawfully appointed, or of trustees in bankruptcy or reorganization proceedings (including a trustee or trustees appointed under the provisions of the Bankruptcy Code), or of assignees for the benefit of creditors, such receivers, custodians, trustees or assignees, as the case may be, by an instrument in writing, shall appoint a successor Trustee with respect to the Securities of such series. Subject to the provisions of Sections 11.04 and 11.05, upon the appointment as above provided of a successor Trustee with respect to the Securities of any series, the Trustee with respect to the Securities of such series shall cease to be Trustee hereunder. After any such appointment other than by the Holders of Securities of that or those series, the Person making such appointment shall forthwith cause notice thereof to be mailed to the Holders of Securities of such series at their addresses as the same shall then appear on the Register but any successor Trustee with respect to the Securities of such series so appointed shall, immediately and without further act, be superseded by a successor Trustee appointed by the Holders of Securities of such series in the manner above prescribed, if such appointment be made prior to the expiration of one year from the date of the mailing of such notice by the Company, or by such receivers, trustees or assignees.

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(b) If any Trustee with respect to the Securities of one or more series shall resign or be removed and a successor Trustee shall not have been appointed by the Company or by the Holders of the Securities of such series or, if any successor Trustee so appointed shall not have accepted its appointment within 30 calendar days after such appointment shall have been made, the resigning Trustee at the expense of the Company may apply to any court of competent jurisdiction for the appointment of a successor Trustee. If in any other case a successor Trustee shall not be appointed pursuant to the foregoing provisions of this Section 11.06 within three months after such appointment might have been made hereunder, the Holder of any Security of the applicable series or any retiring Trustee at the expense of the Company may apply to any court of competent jurisdiction to appoint a successor Trustee. Such court may thereupon, in any such case, after such notice, if any, as such court may deem proper and prescribe, appoint a successor Trustee.

(c) Any successor Trustee appointed hereunder with respect to the Securities of one or more series shall execute, acknowledge and deliver to its predecessor Trustee and to the Company, or to the receivers, trustees, assignees or court appointing it, as the case may be, an instrument accepting such appointment hereunder, and thereupon such successor Trustee, without any further act, deed or conveyance, shall become vested with all the authority, rights, powers, trusts, immunities, duties and obligations with respect to such series of such predecessor Trustee with like effect as if originally named as Trustee hereunder, and such predecessor Trustee, upon payment of its charges and disbursements then unpaid, shall thereupon become obligated to pay over, and such successor Trustee shall be entitled to receive, all moneys and properties held by such predecessor Trustee as Trustee hereunder, subject nevertheless to its lien provided for in Section 11.01(a). Nevertheless, on the written request of the Company or of the successor Trustee or of the Holders of at least 10% in aggregate principal amount of the Securities of such series then Outstanding, such predecessor Trustee, upon payment of its said charges and disbursements, shall execute and deliver an instrument transferring to such successor Trustee upon the trusts herein expressed all the rights, powers and trusts of such predecessor Trustee and shall assign, transfer and deliver to the successor Trustee all moneys and properties held by such predecessor Trustee, subject nevertheless to its lien provided for in Section 11.01(a); and, upon request of any such successor Trustee and the Company shall make, execute, acknowledge and deliver any and all instruments in writing for more fully and effectually vesting in and confirming to such successor Trustee all such authority, rights, powers, trusts, immunities, duties and obligations.

Section 11.07 Successor Trustee by Merger. Any Person into which the Trustee or any successor to it in the trusts created by this Indenture shall be merged or converted, or any Person with which it or any successor to it shall be consolidated, or any Person resulting from any merger, conversion or consolidation to which the Trustee or any such successor to it shall be a party, or any Person to which the Trustee or any successor to it shall sell or otherwise transfer all or substantially all of the corporate trust business of the Trustee, shall be the successor Trustee under this Indenture without the execution or filing of any paper or any further act on the part of any of the parties hereto; provided that such Person shall be otherwise qualified and eligible under this Article. In case at the time such successor to the Trustee shall succeed to the trusts created by this Indenture with respect to one or more series of Securities, any of such Securities shall have been authenticated but not delivered by the Trustee then in office, any successor to such Trustee may adopt the certificate of authentication of any predecessor Trustee, and deliver

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such Securities so authenticated; and in case at that time any of the Securities shall not have been authenticated, any successor to such Trustee may authenticate such Securities either in the name of any predecessor Trustee hereunder or in the name of the successor Trustee; and in all such cases such certificates shall have the full force which it is anywhere in the Securities or in this Indenture provided that the certificate of the Trustee shall have; provided, however, that the right to adopt the certificate of authentication of any predecessor Trustee or authenticate Securities in the name of any predecessor Trustee shall apply only to its successor or successors by merger, conversion or consolidation.

Section 11.08 Right to Rely on Officer's Certificate. Subject to Section 11.02, and subject to the provisions of Section 16.01 with respect to the certificates required thereby, whenever in the administration of the provisions of this Indenture the Trustee shall deem it necessary or desirable that a matter be proved or established prior to taking or suffering any action hereunder, such matter (unless other evidence in respect thereof be herein specifically prescribed) may, in the absence of bad faith or willful misconduct on the part of the Trustee, be deemed to be conclusively proved and established by an Officer's Certificate with respect thereto delivered to the Trustee, and such Officer's Certificate, in the absence of bad faith or willful misconduct on the part of the Trustee, shall be full warrant to the Trustee for any action taken, suffered or omitted by it under the provisions of this Indenture upon the faith thereof.

Section 11.09 Appointment of Authenticating Agent. The Trustee may appoint an agent (the "Authenticating Agent") reasonably acceptable to the Company to authenticate the Securities, and the Trustee shall give written notice of such appointment to all Holders of Securities of the series with respect to which such Authenticating Agent will serve. Unless limited by the terms of such appointment, any such Authenticating Agent may authenticate Securities whenever the Trustee may do so. Each reference in this Indenture to authentication by the Trustee includes authentication by the Authenticating Agent. Securities so authenticated shall be entitled to the benefits of this Indenture and shall be valid and obligatory for all purposes as if authenticated by the Trustee hereunder.

Each Authenticating Agent shall at all times be a corporation organized and doing business and in good standing under the laws of the United States, any State thereof or the District of Columbia, authorized under such laws to act as Authenticating Agent, having a combined capital and surplus of not less than \$50 million and subject to supervision or examination by federal or state authority. If such corporation publishes reports of condition at least annually, pursuant to law or to the requirements of said supervising or examining authority, then for the purposes of this Article XI, the combined capital and surplus of such corporation shall be deemed to be its combined capital and surplus as set forth in its most recent report of condition so published. If at any time an Authenticating Agent shall cease to be eligible in accordance with the provisions of this Article XI, it shall resign immediately in the manner and with the effect specified in this Article XI.

Any Person into which an Authenticating Agent may be merged or converted or with which it may be consolidated, or any Person resulting from any merger, conversion or consolidation to which such Authenticating Agent shall be a party, or any Person succeeding to all or substantially all of the corporate agency or corporate trust business of an Authenticating Agent, shall continue to be an Authenticating Agent, provided such Person shall be otherwise

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eligible under this Article XI, without the execution or filing of any paper or any further act on the part of the Trustee or the Authenticating Agent.

An Authenticating Agent may resign at any time by giving written notice thereof to the Trustee and to the Company. The Trustee may at any time terminate the agency of an Authenticating Agent by giving written notice thereof to such Authenticating Agent and to the Company. Upon receiving such a notice of resignation or upon such a termination, or in case at any time such Authenticating Agent shall cease to be eligible in accordance with the provisions of this Section 11.09, the Trustee may appoint a successor Authenticating Agent which shall be acceptable to the Company and shall give written notice of such appointment to all Holders of Securities of the series with respect to which such Authenticating Agent will serve. Any successor Authenticating Agent upon acceptance of its appointment hereunder shall become vested with all the rights, powers and duties of its predecessor hereunder, with like effect as if originally named as an Authenticating Agent. No successor Authenticating Agent shall be appointed unless eligible under the provisions of this Section 11.09.

The Company agrees to pay to each Authenticating Agent from time to time reasonable compensation for its services under this Section 11.09.

Section 11.10 Communications by Securityholders with Other Securityholders. Holders of Securities may communicate pursuant to Section 312(b) of the TIA with other Holders with respect to their rights under this Indenture or the Securities. The Company, the Trustee, the Registrar and anyone else shall have the protection of Section 312(c) of the TIA with respect to such communications.

ARTICLE XII

SATISFACTION AND DISCHARGE; DEFEASANCE

Section 12.01 Applicability of Article. If, pursuant to Section 3.01, provision is made for the defeasance of Securities of a series and if the Securities of such series are denominated and payable only in U.S. Dollars (except as provided pursuant to Section 3.01), then the provisions of this Article shall be applicable except as otherwise specified pursuant to Section 3.01 for Securities of such series. Defeasance provisions, if any, for Securities denominated in a Foreign Currency may be specified pursuant to Section 3.01.

Section 12.02 Satisfaction and Discharge of Indenture. This Indenture, with respect to the Securities of any series (if all series issued under this Indenture are not to be affected), shall, upon Company Order, cease to be of further effect (except as to any surviving rights of registration of transfer or exchange of such Securities herein expressly provided for and rights to receive payments of principal of, premium, if any, and interest on, such Securities) and the Trustee, at the expense of the Company, shall execute proper instruments acknowledging satisfaction and discharge of this Indenture, when,

(a) either:

(i) all Securities of such series theretofore authenticated and delivered (other than (A) Securities that have been destroyed, lost or stolen and that have been

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replaced or paid as provided in Section 3.07 and (B) Securities for whose payment money has theretofore been deposited in trust or segregated and held in trust by the Company and thereafter repaid to the Company or discharged from such trust, as provided in Section 6.03) have been delivered to the Trustee for cancellation; or

- (ii) all Securities of such series not theretofore delivered to the Trustee for cancellation,
 - (A) have become due and payable, or
 - (B) will become due and payable at their Stated Maturity within one year, or
 - (C) are to be called for redemption within one year under arrangements satisfactory to the Trustee for the giving of notice by the Trustee in the name, and at the expense, of the Company,

and in the case of (A), (B) or (C) above, the Company has deposited or caused to be deposited with the Trustee or Paying Agent as trust funds in trust for the purpose an amount in the Currency in which such Securities are denominated (except as otherwise provided pursuant to Section 3.01) sufficient to pay and discharge the entire Indebtedness on such Securities for principal and premium, if any, and interest to the date of such deposit (in the case of Securities that have become due and payable) or to the Stated Maturity or Redemption Date, as the case may be; provided, however, in the event a petition for relief under the Bankruptcy Code or any applicable state bankruptcy, insolvency or other similar law, is filed with respect to the Company within 91 days after the deposit and the Trustee is required to return the moneys then on deposit with the Trustee to the Company, the obligations of the Company under this Indenture with respect to such Securities shall not be deemed terminated or discharged;

(b) the Company has paid or caused to be paid all other sums payable hereunder by the Company; and

(c) the Company has delivered to the Trustee an Officer's Certificate and an Opinion of Counsel each stating that all conditions precedent herein provided for relating to the satisfaction and discharge of this Indenture with respect to such series have been complied with.

Notwithstanding the satisfaction and discharge of this Indenture, the obligations of the Company to the Trustee under Section 11.01 and, if money shall have been deposited with the Trustee pursuant to subclause (B) of clause (a)(i) of this Section 12.02, the obligations of the Trustee under Section 12.07 and the last paragraph of Section 6.03(e) shall survive.

Section 12.03 Defeasance upon Deposit of Moneys or Government Obligations. At the Company's option, either (a) the Company shall be deemed to have been Discharged from its obligations with respect to Securities of any series on the first day after the applicable conditions set forth below have been satisfied or (b) the Company shall cease to be under any obligation to comply with any term, provision or condition set forth in Section 6.04 with respect to Securities of any series (and, if so specified pursuant to Section 3.01, any other restrictive covenant added

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for the benefit of such series pursuant to Section 3.01) at any time after the applicable conditions set forth below have been satisfied:

(a) The Company shall have deposited or caused to be deposited irrevocably with the Trustee as trust funds in trust, specifically pledged as security for, and dedicated solely to, the benefit of the Holders of the Securities of such series (i) money in an amount, or (ii) Government Obligations that through the payment of interest and principal in respect thereof in accordance with their terms will provide, not later than one day before the due date of any payment, money in an amount, or (iii) a combination of (i) and (ii), sufficient to pay and discharge each installment of principal (including any Mandatory Sinking Fund Payments) of, premium, if any, and interest on, the Outstanding Securities of such series on the dates such installments of interest or principal and premium are due;

(b) No Default with respect to the Securities of such series shall have occurred and be continuing on the date of such deposit (other than a Default resulting from the borrowing of funds and the grant of any related liens to be applied to such deposit); and

(c) The Company shall have delivered to the Trustee an Opinion of Counsel to the effect that Holders of the Securities of such series will not recognize income, gain or loss for U.S. federal income tax purposes as a result of the Company's exercise of its option under this Section 12.03 and will be subject to federal income tax on the same amounts and in the same manner and at the same times as would have been the case if such action had not been exercised and, in the case of the Securities of such series being Discharged, accompanied by a ruling to that effect received from or published by the Internal Revenue Service.

“Discharged” means that the Company shall be deemed to have paid and discharged the entire Indebtedness represented by, and obligations under, the Securities of such series and to have satisfied all the obligations under this Indenture relating to the Securities of such series (and the Trustee, at the expense of the Company, shall execute proper instruments acknowledging the same), except (A) the rights of Holders of Securities of such series to receive, from the trust fund described in clause (a) above, payment of the principal of, premium, if any, or interest on such Securities when such payments are due, (B) the Company's obligations with respect to Securities of such series under Sections 3.04, 3.06, 3.07, 6.02, 12.06 and 12.07 and (C) the rights, powers, trusts, duties and immunities of the Trustee hereunder.

Section 12.04 Repayment to Company. The Trustee and any Paying Agent shall promptly pay to the Company (or to its designee) upon Company Order any excess moneys or Government Obligations held by them at any time, including any such moneys or Government Obligations held by the Trustee under any escrow trust agreement entered into pursuant to Section 12.06. The provisions of the last paragraph of Section 6.03 shall apply to any moneys or Government Obligations held by the Trustee or any Paying Agent under this Article that remains unclaimed for two years after the Maturity of any series of Securities for which moneys or Government Obligations have been deposited pursuant to Section 12.03.

Section 12.05 Indemnity for Government Obligations. The Company shall pay and shall indemnify the Trustee against any tax, fee or other charge imposed on or assessed against the

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deposited Government Obligations or the principal or interest received on such Government Obligations.

Section 12.06 Deposits to Be Held in Escrow. Any deposits with the Trustee referred to in Section 12.03 above shall be irrevocable (except to the extent provided in Sections 12.04 and 12.07) and shall be made under the terms of an escrow trust agreement. If any Outstanding Securities of a series are to be redeemed prior to their Stated Maturity, whether pursuant to any optional redemption provisions or in accordance with any mandatory or optional sinking fund requirement, the applicable escrow trust agreement shall provide therefor and the Company shall make such arrangements as are satisfactory to the Trustee for the giving of notice of redemption by the Trustee in the name, and at the expense, of the Company. The agreement shall provide that, upon satisfaction of any Mandatory Sinking Fund Payment requirements, whether by deposit of moneys, application of proceeds of deposited Government Obligations or, if permitted, by delivery of Securities, the Trustee shall pay or deliver over to the Company as excess moneys pursuant to Section 12.04 all funds or obligations then held under the agreement and allocable to the sinking fund payment requirements so satisfied.

If Securities of a series with respect to which such deposits are made may be subject to later redemption at the option of the Company or pursuant to Optional Sinking Fund Payments, the applicable escrow trust agreement may, at the option of the Company, provide therefor. In the case of an optional redemption in whole or in part, such agreement shall require the Company to deposit with the Trustee on or before the date notice of redemption is given funds sufficient to pay the Redemption Price of the Securities to be redeemed together with all unpaid interest thereon to the Redemption Date. Upon such deposit of funds, the Trustee shall pay or deliver over to the Company as excess funds pursuant to Section 12.04 all funds or obligations then held under such agreement and allocable to the Securities to be redeemed. In the case of exercise of Optional Sinking Fund Payment rights by the Company, such agreement shall, at the option of the Company, provide that upon deposit by the Company with the Trustee of funds pursuant to such exercise the Trustee shall pay or deliver over to the Company as excess funds pursuant to Section 12.04 all funds or obligations then held under such agreement for such series and allocable to the Securities to be redeemed.

Section 12.07 Application of Trust Money.

(a) Neither the Trustee nor any other paying agent shall be required to pay interest on any moneys deposited pursuant to the provisions of this Indenture, except such as it shall agree with the Company in writing to pay thereon. Any moneys so deposited for the payment of the principal of, or premium, if any, or interest on the Securities of any series and remaining unclaimed for two years after the date of the maturity of the Securities of such series or the date fixed for the redemption of all the Securities of such series at the time Outstanding, as the case may be, shall be repaid by the Trustee or such other paying agent to the Company upon its written request and thereafter, anything in this Indenture to the contrary notwithstanding, any rights of the Holders of Securities of such series in respect of which such moneys shall have been deposited shall be enforceable only against the Company, and all liability of the Trustee or such other paying agent with respect to such moneys shall thereafter cease.

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(b) Subject to the provisions of clause (a) above, any moneys or Government Obligations which at any time shall be deposited by the Company or on its behalf with the Trustee or any other paying agent for the purpose of paying the principal of, premium, if any, and interest on any of the Securities shall be and are hereby assigned, transferred and set over to the Trustee or such other paying agent in trust for the respective Holders of the Securities for the purpose for which such moneys or Government Obligations shall have been deposited; provided that such moneys or Government Obligations need not be segregated from other funds except to the extent required by law.

Section 12.08 Deposits of Non-U.S. Currencies. Notwithstanding the foregoing provisions of this Article, if the Securities of any series are payable in a Currency other than U.S. Dollars, the Currency or the nature of the government obligations to be deposited with the Trustee under the foregoing provisions of this Article shall be as set forth in the Officer's Certificate or established in the supplemental indenture under which the Securities of such series are issued.

ARTICLE XIII

IMMUNITY OF CERTAIN PERSONS

Section 13.01 No Personal Liability. No recourse shall be had for the payment of the principal of, or the premium, if any, or interest on, any Security or for any claim based thereon or otherwise in respect thereof or of the Indebtedness represented thereby, or upon any obligation, covenant or agreement of this Indenture, against any incorporator, stockholder, officer or director, as such, past, present or future, of the Company or of any successor thereto, either directly or through the Company or any successor thereto, whether by virtue of any constitutional provision, statute or rule of law, or by the enforcement of any assessment or penalty or otherwise; it being expressly agreed and understood that this Indenture and the Securities are solely corporate obligations, and that no personal liability whatsoever shall attach to, or be incurred by, any incorporator, stockholder, officer or director, as such, past, present or future, of the Company or of any successor thereto, either directly or through the Company or any successor corporation, because of the incurring of the Indebtedness hereby authorized or under or by reason of any of the obligations, covenants, promises or agreements contained in this Indenture or in any of the Securities, or to be implied herefrom or therefrom, and that all liability, if any, of that character against every such incorporator, stockholder, officer and director is, by the acceptance of the Securities and as a condition of, and as part of the consideration for, the execution of this Indenture and the issue of the Securities expressly waived and released.

ARTICLE XIV

SUPPLEMENTAL INDENTURES

Section 14.01 Without Consent of Securityholders. Except as otherwise provided as contemplated by Section 3.01 with respect to any series of Securities, the Company and the Trustee, at any time and from time to time, may enter into one or more indentures supplemental hereto, in form satisfactory to the Trustee, for any one or more of or all the following purposes:

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(a) to add to the covenants and agreements of the Company, to be observed thereafter and during the period, if any, in such supplemental indenture or indentures expressed, and to add Events of Default, in each case for the protection or benefit of the Holders of all or any series of

the Securities (and if such covenants, agreements and Events of Default are to be for the benefit of fewer than all series of Securities, stating that such covenants, agreements and Events of Default are expressly being included for the benefit of such series as shall be identified therein), or to surrender any right or power herein conferred upon the Company;

(b) to delete or modify any Events of Default with respect to all or any series of the Securities, the form and terms of which are being established pursuant to such supplemental indenture as permitted in Section 3.01 (and, if any such Event of Default is applicable to fewer than all such series of the Securities, specifying the series to which such Event of Default is applicable), and to specify the rights and remedies of the Trustee and the Holders of such Securities in connection therewith;

(c) to add to or change any of the provisions of this Indenture to provide, change or eliminate any restrictions on the payment of principal of or premium, if any, on Securities; provided that any such action shall not adversely affect the interests of the Holders of Securities of any series in any material respect;

(d) to change or eliminate any of the provisions of this Indenture; provided that any such change or elimination shall become effective only when there is no Outstanding Security of any series created prior to the execution of such supplemental indenture that is entitled to the benefit of such provision and as to which such supplemental indenture would apply;

(e) to evidence the succession of another corporation to the Company, or successive successions, and the assumption by such successor of the covenants and obligations of the Company contained in the Securities of one or more series and in this Indenture or any supplemental indenture;

(f) to evidence and provide for the acceptance of appointment hereunder by a successor Trustee with respect to one or more series of Securities and to add to or change any of the provisions of this Indenture as shall be necessary for or facilitate the administration of the trusts hereunder by more than one Trustee, pursuant to the requirements of Section 11.06(c);

(g) to secure any series of Securities;

(h) to evidence any changes to this Indenture pursuant to Sections 11.05, 11.06 or 11.07 hereof as permitted by the terms thereof;

(i) to cure any ambiguity or to correct or supplement any provision contained herein or in any indenture supplemental hereto which may be defective or inconsistent with any other provision contained herein or in any supplemental indenture;

(j) to add to or change or eliminate any provision of this Indenture as shall be necessary or desirable in accordance with any amendments to the Trust Indenture Act;

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(k) to add guarantors or co-obligors with respect to any series of Securities;

(l) to make any change in any series of Securities that does not adversely affect in any material respect the interests of the Holders of such Securities;

(m) to provide for uncertificated Securities in addition to certificated Securities;

(n) to supplement any of the provisions of this Indenture to such extent as shall be necessary to permit or facilitate the defeasance and discharge of any series of Securities; provided that any such action shall not adversely affect the interests of the Holders of Securities of such series or any other series of Securities;

(o) to prohibit the authentication and delivery of additional series of Securities; or

(p) to establish the form and terms of Securities of any series as permitted in Section 3.01, or to authorize the issuance of additional Securities of a series previously authorized or to add to the conditions, limitations or restrictions on the authorized amount, terms or purposes of issue, authentication or delivery of the Securities of any series, as herein set forth, or other conditions, limitations or restrictions thereafter to be observed.

Subject to the provisions of Section 14.03, the Trustee is authorized to join with the Company in the execution of any such supplemental indenture, to make the further agreements and stipulations which may be therein contained and to accept the conveyance, transfer, assignment, mortgage or pledge of any property or assets thereunder.

Any supplemental indenture authorized by the provisions of this Section 14.01 may be executed by the Company and the Trustee without the consent of the Holders of any of the Securities at the time Outstanding, notwithstanding any of the provisions of Section 14.02.

Section 14.02 With Consent of Securityholders; Limitations.

(a) With the consent of the Holders (evidenced as provided in Article VIII) of a majority in aggregate principal amount of the Outstanding Securities of each series affected by such supplemental indenture voting separately, the Company and the Trustee may, from time to time and at any time, enter into an indenture or indentures supplemental hereto for the purpose of adding any provisions to or changing in any manner or eliminating any provisions of this Indenture or of modifying in any manner the rights of the Holders of the Securities of such series to be affected; provided, however, that no such supplemental indenture shall, without the consent of the Holder of each Outstanding Security of each such series affected thereby,

(i) extend the Stated Maturity of the principal of, or any installment of interest on, any Security, or reduce the principal amount thereof or the interest thereon or any premium payable upon redemption thereof, or extend the Stated Maturity of, or change the Currency in which the principal of and premium, if any, or interest on such Security is denominated or payable, or reduce the amount of the principal of an Original Issue Discount Security that would be due and payable upon a declaration of acceleration

of the Maturity thereof pursuant to Section 7.02, or impair the right to institute suit for the enforcement of any payment on or after the Stated Maturity thereof (or, in the case of redemption, on or after the Redemption Date), or materially adversely affect the economic terms of any right to convert or exchange any Security as may be provided pursuant to Section 3.01;

(ii) reduce the percentage in principal amount of the Outstanding Securities of any series, the consent of whose Holders is required for any supplemental indenture, or the consent of whose Holders is required for any waiver of compliance with certain provisions of this Indenture or certain Defaults hereunder and their consequences provided for in this Indenture;

(iii) modify any of the provisions of this Section 14.02, Section 7.06 or Section 6.06, except to increase any such percentage or to provide that certain other provisions of this Indenture cannot be modified or waived without the consent of the Holder of each Outstanding Security affected thereby; provided, however, that this clause shall not be deemed to require the consent of any Holder with respect to changes in the references to "the Trustee" and concomitant changes in this Section 14.02 and Section 6.06, or the deletion of this proviso, in accordance with the requirements of Sections 11.06 and 14.01(f); or

(iv) modify, without the written consent of the Trustee, the rights, duties or immunities of the Trustee.

(b) A supplemental indenture that changes or eliminates any provision of this Indenture which has expressly been included solely for the benefit of one or more particular series of Securities or which modifies the rights of the Holders of Securities of such series with respect to such covenant or other provision, shall be deemed not to affect the rights under this Indenture of the Holders of Securities of any other series.

(c) It shall not be necessary for the consent of the Securityholders under this Section 14.02 to approve the particular form of any proposed supplemental indenture, but it shall be sufficient if such consent shall approve the substance thereof.

(d) The Company may set a record date for purposes of determining the identity of the Holders of each series of Securities entitled to give a written consent or waive compliance by the Company as authorized or permitted by this Section. Such record date shall not be more than 30 calendar days prior to the first solicitation of such consent or waiver or the date of the most recent list of Holders furnished to the Trustee prior to such solicitation pursuant to Section 312 of the TIA.

(e) Promptly after the execution by the Company and the Trustee of any supplemental indenture pursuant to the provisions of this Section 14.02, the Company shall mail a notice, setting forth in general terms the substance of such supplemental indenture, to the Holders of Securities at their addresses as the same shall then appear in the Register. Any failure of the Company to mail such notice, or any defect therein, shall not, however, in any way impair or affect the validity of any such supplemental indenture.

Section 14.03 Trustee Protected. Upon the request of the Company, accompanied by the Officer's Certificate and Opinion of Counsel required by Section 16.01 stating that the execution of such supplemental indenture is authorized or permitted by this Indenture, and evidence reasonably satisfactory to the Trustee of consent of the Holders if the supplemental indenture is to be executed pursuant to Section 14.02, the Trustee shall join with the Company in the execution of said supplemental indenture unless said supplemental indenture affects the Trustee's own rights, duties or immunities under this Indenture or otherwise, in which case the Trustee may in its discretion, but shall not be obligated to, enter into said supplemental indenture. The Trustee shall be fully protected in relying upon such Officer's Certificate and an Opinion of Counsel.

Section 14.04 Effect of Execution of Supplemental Indenture. Upon the execution of any supplemental indenture pursuant to the provisions of this Article XIV, this Indenture shall be deemed to be modified and amended in accordance therewith and, except as herein otherwise expressly provided, the respective rights, limitations of rights, obligations, duties and immunities under this Indenture of the Trustee, the Company and the Holders of all of the Securities or of the Securities of any series affected, as the case may be, shall thereafter be determined, exercised and enforced hereunder subject in all respects to such modifications and amendments, and all the terms and conditions of any such supplemental indenture shall be and be deemed to be part of the terms and conditions of this Indenture for any and all purposes.

Section 14.05 Notation on or Exchange of Securities. Securities of any series authenticated and delivered after the execution of any supplemental indenture pursuant to the provisions of this Article may bear a notation in the form approved by the Trustee as to any matter provided for in such supplemental indenture. If the Company or the Trustee shall so determine, new Securities so modified as to conform, in the opinion of the Trustee and the Board of Directors of the Company, to any modification of this Indenture contained in any such supplemental indenture may be prepared and executed by the Company and authenticated and delivered by the Trustee in exchange for the Securities then Outstanding in equal aggregate principal amounts, and such exchange shall be made without cost to the Holders of the Securities.

Section 14.06 Conformity with TIA. Every supplemental indenture executed pursuant to the provisions of this Article shall conform to the requirements of the Trust Indenture Act as then in effect.

ARTICLE XV

SUBORDINATION OF SECURITIES

Section 15.01 Agreement to Subordinate. In the event a series of Securities is designated as subordinated pursuant to Section 3.01, and except as otherwise provided in a Company Order or in one or more indentures supplemental hereto, the Company, for itself, its successors and assigns, covenants and agrees, and each Holder of Securities of such series by his, her or its acceptance thereof, likewise covenants and agrees, that the payment of the principal of, premium, if any, or interest on each and all of the Securities of such series is hereby expressly subordinated, to the extent and in the manner hereinafter set forth, in right of payment to the

prior payment in full of all Senior Indebtedness. In the event a series of Securities is not designated as subordinated pursuant to Section 3.01(s), this Article XV shall have no effect upon such series of Securities.

Section 15.02 Distribution on Dissolution, Liquidation and Reorganization; Subrogation of Securities. Subject to Section 15.01, upon any distribution of assets of the Company upon any dissolution, winding up, liquidation or reorganization of the Company, whether in bankruptcy, insolvency, reorganization or receivership proceedings or upon an assignment for the benefit of creditors or any other marshalling of the assets and liabilities of the Company or otherwise (subject to the power of a court of competent jurisdiction to make other equitable provision reflecting the rights conferred in this Indenture upon the Senior Indebtedness and the holders thereof with respect to the Securities and the holders thereof by a lawful plan of reorganization under the Bankruptcy Code or any applicable state bankruptcy laws):

(a) the holders of all Senior Indebtedness shall be entitled to receive payment in full of the principal, premium, if any, or interest thereon before the Holders of the Securities are entitled to receive any payment upon the principal of, premium, if any, or interest on Indebtedness evidenced by the Securities; and

(b) any payment or distribution of assets of the Company of any kind or character, whether in cash, property or securities, to which the Holders of the Securities or the Trustee would be entitled except for the provisions of this Article XV in respect of the principal of, premium, if any, or interest, on the Securities shall be paid by the liquidation trustee or agent or other Person making such payment or distribution, whether a trustee in bankruptcy, a receiver or liquidating trustee or otherwise, directly to the holders of Senior Indebtedness or their representative or representatives or to the trustee or trustees under any indenture under which any instruments evidencing any of such Senior Indebtedness may have been issued, ratably according to the aggregate amounts remaining unpaid on account of the principal of, premium, if any, or interest on the Senior Indebtedness held or represented by each, to the extent necessary to make payment in full of all Senior Indebtedness remaining unpaid, after giving effect to any concurrent payment or distribution to the holders of such Senior Indebtedness; and

(c) in the event that, notwithstanding the foregoing, any payment or distribution of assets of the Company of any kind or character in respect of the principal of, premium, if any, or interest on Indebtedness evidenced by the Securities, whether in cash, property or securities prohibited by the foregoing, shall be received by the Trustee or the Holders of the Securities before all Senior Indebtedness is paid in full, such payment or distribution shall be paid over, upon written notice to a Responsible Officer of the Trustee, to the holder of such Senior Indebtedness or his, her or its representative or representatives or to the trustee or trustees under any indenture under which any instrument evidencing any of such Senior Indebtedness may have been issued, ratably as aforesaid, as calculated by the Company, for application to payment of all Senior Indebtedness remaining unpaid until all such Senior Indebtedness shall have been paid in full, after giving effect to any concurrent payment or distribution to the holders of such Senior Indebtedness.

(d) Subject to the payment in full of all Senior Indebtedness, the Holders of the Securities shall be subrogated to the rights of the holders of Senior Indebtedness (to the

extent that distributions otherwise payable to such holder have been applied to the payment of Senior Indebtedness) to receive payments or distributions of cash, property or securities of the Company applicable to Senior Indebtedness until the principal of, premium, if any, or interest on the Securities shall be paid in full and no such payments or distributions to the Holders of the Securities of cash, property or securities otherwise distributable to the holders of Senior Indebtedness shall, as between the Company, its creditors other than the holders of Senior Indebtedness, and the Holders of the Securities be deemed to be a payment by the Company to or on account of the Securities. It is understood that the provisions of this Article XV are and are intended solely for the purpose of defining the relative rights of the Holders of the Securities, on the one hand, and the holders of the Senior Indebtedness, on the other hand. Nothing contained in this Article XV or elsewhere in this Indenture or in the Securities is intended to or shall impair, as between the Company, its creditors other than the holders of Senior Indebtedness, and the Holders of the Securities, the obligation of the Company, which is unconditional and absolute, to pay to the Holders of the Securities the principal of, premium, if any, or interest on the Securities as and when the same shall become due and payable in accordance with their terms, or to affect the relative rights of the Holders of the Securities and creditors of the Company other than the holders of Senior Indebtedness, nor shall anything herein or in the Securities prevent the Trustee or the Holder of any Security from exercising all remedies otherwise permitted by applicable law upon default under this Indenture, subject to the rights, if any, under this Article XV of the holders of Senior Indebtedness in respect of cash, property or securities of the Company received upon the exercise of any such remedy. Upon any payment or distribution of assets of the Company referred to in this Article XV, the Trustee, subject to the provisions of Section 15.05, shall be entitled to conclusively rely upon a certificate of the liquidating trustee or agent or other person making any distribution to the Trustee for the purpose of ascertaining the Persons entitled to participate in such distribution, the holders of Senior Indebtedness and other indebtedness of the Company, the amount thereof or payable thereon, the amount or amounts paid or distributed thereof and all other facts pertinent thereto or to this Article XV.

Section 15.03 No Payment on Securities in Event of Default on Senior Indebtedness. Subject to Section 15.01, no payment by the Company on account of principal (or premium, if any), sinking funds or interest, if any, on the Securities shall be made at anytime if: (i) a default on Senior Indebtedness exists that permits the holders of such Senior Indebtedness to accelerate its maturity and (ii) the default is the subject of judicial proceedings or the Company has received notice of such default. The Company may resume payments on the Securities when full payment of amounts then due for principal (premium, if any), sinking funds and interest on Senior Indebtedness has been made or duly provided for in money or money's worth.

In the event that, notwithstanding the foregoing, any payment shall be received by the Trustee when such payment is prohibited by the preceding paragraph of this Section 15.03, such payment shall be held in trust for the benefit of, and shall be paid over or delivered to, the holders of such Senior Indebtedness or their respective representatives, or to the trustee or trustees under any indenture pursuant to which any of such Senior Indebtedness may have been issued, as their respective interests may appear, as calculated by the Company, but only to the extent that the holders of such Senior Indebtedness (or their representative or representatives or a trustee) notify the Trustee in writing within 90 calendar days of such payment of the amounts

then due and owing on such Senior Indebtedness and only the amounts specified in such notice to the Trustee shall be paid to the holders of such Senior Indebtedness.

Section 15.04 Payments on Securities Permitted. Subject to Section 15.01, nothing contained in this Indenture or in any of the Securities shall (a) affect the obligation of the Company to make, or prevent the Company from making, at any time except as provided in Sections 15.02 and 15.03, payments of principal of (or premium, if any) or interest, if any, on the Securities or (b) prevent the application by the Trustee of any moneys or assets deposited with it hereunder to the payment of or on account of the principal of, premium, if any, or interest on the Securities, unless a Responsible Officer of the Trustee shall have received at its Corporate Trust Office written notice of any fact prohibiting the making of such payment from the Company or from the holder of any Senior Indebtedness or from the trustee for any such holder, together with proof satisfactory to the Trustee of such holding of Senior Indebtedness or of the authority of such trustee, more than two Business Days prior to the date fixed for such payment.

Section 15.05 Authorization of Securityholders to Trustee to Effect Subordination. Subject to Section 15.01, each Holder of Securities by his acceptance thereof authorizes and directs the Trustee on his, her or its behalf to take such action as may be necessary or appropriate to effectuate the subordination as provided in this Article XV and appoints the Trustee his attorney-in-fact for any and all such purposes.

Section 15.06 Notices to Trustee. The Company shall give prompt written notice to a Responsible Officer of the Trustee of any fact known to the Company that would prohibit the making of any payment of moneys or assets to or by the Trustee in respect of the Securities of any series pursuant to the provisions of this Article XV. Subject to Section 15.01, notwithstanding the provisions of this Article XV or any other provisions of this Indenture, neither the Trustee nor any Paying Agent (other than the Company) shall be charged with knowledge of the existence of any Senior Indebtedness or of any fact which would prohibit the making of any payment of moneys or assets to or by the Trustee or such Paying Agent, unless and until a Responsible Officer of the Trustee or such Paying Agent shall have received (in the case of a Responsible Officer of the Trustee, at the Corporate Trust Office of the Trustee) written notice thereof from the Company or from the holder of any Senior Indebtedness or from the trustee for any such holder, together with proof satisfactory to the Trustee of such holding of Senior Indebtedness or of the authority of such trustee, and, prior to the receipt of any such written notice, the Trustee shall be entitled in all respects conclusively to presume that no such facts exist; provided, however, that if at least two Business Days prior to the date upon which by the terms hereof any such moneys or assets may become payable for any purpose (including, without limitation, the payment of either the principal of, premium, if any, or interest on any Security) a Responsible Officer of the Trustee shall not have received with respect to such moneys or assets the notice provided for in this Section 15.06, then, anything herein contained to the contrary notwithstanding, the Trustee shall have full power and authority to receive such moneys or assets and to apply the same to the purpose for which they were received, and shall not be affected by any notice to the contrary which may be received by it within two Business Days prior to such date. The Trustee shall be entitled to conclusively rely on the delivery to it of a written notice by a Person representing himself to be a holder of Senior Indebtedness (or a trustee on behalf of such holder) to establish that such a notice has been given by a holder of Senior Indebtedness or a trustee on behalf of any such holder. In the event that the Trustee

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determines in good faith that further evidence is required with respect to the right of any Person as a holder of Senior Indebtedness to participate in any payment or distribution pursuant to this Article XV, the Trustee may request such Person to furnish evidence to the reasonable satisfaction of the Trustee as to the amount of Senior Indebtedness held by such Person, the extent to which such Person is entitled to participate in such payment or distribution and any other facts pertinent to the rights of such Person under this Article XV and, if such evidence is not furnished, the Trustee may defer any payment to such Person pending judicial determination as to the right of such Person to receive such payment.

Section 15.07 Trustee as Holder of Senior Indebtedness. Subject to Section 15.01, the Trustee in its individual capacity shall be entitled to all the rights set forth in this Article XV in respect of any Senior Indebtedness at any time held by it to the same extent as any other holder of Senior Indebtedness and nothing in this Indenture shall be construed to deprive the Trustee of any of its rights as such holder. Nothing in this Article XV shall apply to claims of, or payments to, the Trustee under or pursuant to Sections 7.05 or 11.01.

Section 15.08 Modifications of Terms of Senior Indebtedness. Subject to Section 15.01, any renewal or extension of the time of payment of any Senior Indebtedness or the exercise by the holders of Senior Indebtedness of any of their rights under any instrument creating or evidencing Senior Indebtedness, including, without limitation, the waiver of default thereunder, may be made or done all without notice to or assent from the Holders of the Securities or the Trustee. No compromise, alteration, amendment, modification, extension, renewal or other change of, or waiver, consent or other action in respect of, any liability or obligation under or in respect of, or of any of the terms, covenants or conditions of any indenture or other instrument under which any Senior Indebtedness is Outstanding or of such Senior Indebtedness, whether or not such release is in accordance with the provisions of any applicable document, shall in any way alter or affect any of the provisions of this Article XV or of the Securities relating to the subordination thereof.

Section 15.09 Reliance on Judicial Order or Certificate of Liquidating Agent. Subject to Section 15.01, upon any payment or distribution of assets of the Company referred to in this Article XV, the Trustee and the Holders of the Securities shall be entitled to conclusively rely upon any order or decree entered by any court of competent jurisdiction in which such insolvency, bankruptcy, receivership, liquidation, reorganization, dissolution, winding up or similar case or proceeding is pending, or a certificate of the trustee in bankruptcy, liquidating trustee, custodian, receiver, assignee for the benefit of creditors, agent or other person making such payment or distribution, delivered to the Trustee or to the Holders of Securities, for the purpose of ascertaining the Persons entitled to participate in such payment or distribution, the holders of Senior Indebtedness and other indebtedness of the Company, the amount thereof or payable thereon, the amount or amounts paid or distributed thereon and all other facts pertinent thereto or to this Article XV.

Section 15.10 Satisfaction and Discharge; Defeasance and Covenant Defeasance. Subject to Section 15.01, moneys and Government Obligations deposited in trust with the Trustee pursuant to and in accordance with Article XII and not, at the time of such deposit, prohibited to be deposited under Sections 15.02 or 15.03 shall not be subject to this Article XV.

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Section 15.11 Trustee Not Fiduciary for Holders of Senior Indebtedness. With respect to the holders of Senior Indebtedness, the Trustee undertakes to perform or observe only such of its covenants and obligations as are specifically set forth in this Article XV, and no implied covenants or obligations with respect to the holders of Senior Indebtedness shall be read into this Indenture against the Trustee. The Trustee shall not be deemed to owe any fiduciary duty to the holders of Senior Indebtedness. The Trustee shall not be liable to any such holder if it shall pay over or distribute to or on behalf of

ARTICLE XVI

MISCELLANEOUS PROVISIONS

Section 16.01 Certificates and Opinions as to Conditions Precedent.

(a) Upon any request or application by the Company to the Trustee to take any action under any of the provisions of this Indenture, the Company shall furnish to the Trustee an Officer's Certificate stating that all conditions precedent, if any, provided for in this Indenture relating to the proposed action have been complied with and an Opinion of Counsel stating that in the opinion of such counsel all such conditions precedent have been complied with, except that in the case of any such application or demand as to which the furnishing of such document is specifically required by any provision of this Indenture relating to such particular application or request, no additional certificate or opinion need be furnished.

(b) Each certificate or opinion provided for in this Indenture and delivered to the Trustee with respect to compliance with a condition or covenant provided for in this Indenture (other than the certificates provided pursuant to Section 6.05 of this Indenture) shall include (i) a statement that the Person giving such certificate or opinion has read such covenant or condition; (ii) a brief statement as to the nature and scope of the examination or investigation upon which the statements or opinions contained in such certificate or opinion are based; (iii) a statement that, in the opinion of such Person, he or she has made such examination or investigation as is necessary to enable such Person to express an informed view or opinion as to whether or not such covenant or condition has been complied with; and (iv) a statement as to whether or not, in the opinion of such Person, such condition or covenant has been complied with.

(c) Any certificate, statement or opinion of an officer of the Company may be based, insofar as it relates to legal matters, upon a certificate or opinion of, or representations by, counsel, unless such officer knows, or in the exercise of reasonable care should know, that the certificate or opinion or representations with respect to the matters upon which his or her certificate, statement or opinion is based are erroneous. Any certificate, statement or opinion of counsel may be based, insofar as it relates to factual matters, upon a certificate, statement or opinion of, or representations by, an officer or officers of the Company stating that the information with respect to such factual matters is in the possession of the Company, unless such counsel knows, or in the exercise of reasonable care should know, that the certificate, statement or opinion or representations with respect to such matters are erroneous.

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(d) Any certificate, statement or opinion of an officer of the Company or of counsel to the Company may be based, insofar as it relates to accounting matters, upon a certificate or opinion of, or representations by, an accountant or firm of accountants, unless such officer or counsel, as the case may be, knows, or in the exercise of reasonable care should know, that the certificate or opinion or representations with respect to the accounting matters upon which his or her certificate, statement or opinion may be based are erroneous. Any certificate or opinion of any firm of independent registered public accountants filed with the Trustee shall contain a statement that such firm is independent.

(e) In any case where several matters are required to be certified by, or covered by an opinion of, any specified Person, it is not necessary that all such matters be certified by, or covered by the opinion of, only one such Person, or that they be so certified or covered by only one document, but one such Person may certify or give an opinion with respect to some matters and one or more other such Persons as to other matters, and any such Person may certify or give an opinion as to such matters in one or several documents.

(f) Where any Person is required to make, give or execute two or more applications, requests, consents, certificates, statements, opinions or other instruments under this Indenture, they may, but need not, be consolidated and form one instrument.

Section 16.02 Trust Indenture Act Controls. If and to the extent that any provision of this Indenture limits, qualifies or conflicts with the duties imposed by, or with a provision included in this Indenture which is required to be included in this Indenture by any of the provisions of Sections 310 to 318, inclusive, of, the TIA, such imposed duties or incorporated provision shall control.

Section 16.03 Notices to the Company and Trustee. Any notice or demand authorized or permitted by this Indenture to be made upon, given or furnished to, or filed with, the Company or the Trustee shall be sufficiently made, given, furnished or filed for all purposes if it shall be mailed, delivered or telefaxed to:

(a) the Company, at 852 Winter Street, Waltham, Massachusetts 02451 Attention: [·], Facsimile No.: [·] or at such other address or facsimile number as may have been furnished in writing to the Trustee by the Company.

(b) the Trustee, at the Corporate Trust Office of the Trustee, Attention: [Trust Administrator].

Any such notice, demand or other document shall be in the English language. Anything herein to the contrary notwithstanding, no such notice or demand shall be effective as to the Trustee unless it is actually received by the Trustee at its Corporate Trust Office.

Section 16.04 Notices to Securityholders; Waiver. Any notice required or permitted to be given to Securityholders shall be sufficiently given (unless otherwise herein expressly provided), if to Holders, if given in writing by first class mail, postage prepaid, to such Holders at their addresses as the same shall appear on the Register.

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(a) In the event of suspension of regular mail service or by reason of any other cause it shall be impracticable to give notice by mail, then such notification as shall be given with the approval of the Trustee shall constitute sufficient notice for every purpose hereunder.

(b) Where this Indenture provides for notice in any manner, such notice may be waived in writing by the Person entitled to receive such notice, either before or after the event, and such waiver shall be the equivalent of such notice. Waivers of notice by Holders shall be filed with the Trustee, but such filing shall not be a condition precedent to the validity of any action taken in reliance on such waiver. In any case where notice to Holders is given by mail, neither the failure to mail such notice nor any defect in any notice so mailed to any particular Holder shall affect the sufficiency of such notice with respect to other Holders, and any notice that is mailed in the manner herein provided shall be conclusively presumed to have been duly given. In any case where notice to Holders is given by publication, any defect in any notice so published as to any particular Holder shall not affect the sufficiency of such notice with respect to other Holders, and any notice that is published in the manner herein provided shall be conclusively presumed to have been duly given.

Section 16.05 Legal Holiday. Unless otherwise specified pursuant to Section 3.01, in any case where any Interest Payment Date, Redemption Date or Maturity of any Security of any series shall not be a Business Day at any Place of Payment for the Securities of that series, then payment of principal and premium, if any, or interest need not be made at such Place of Payment on such date, but may be made on the next succeeding Business Day at such Place of Payment with the same force and effect as if made on such Interest Payment Date, Redemption Date or Maturity and no interest shall accrue on such payment for the period from and after such Interest Payment Date, Redemption Date or Maturity, as the case may be, to such Business Day if such payment is made or duly provided for on such Business Day.

Section 16.06 Effects of Headings and Table of Contents. The Article and Section headings herein and the Table of Contents are for convenience only and shall not affect the construction hereof.

Section 16.07 Successors and Assigns. All covenants and agreements in this Indenture by the parties hereto shall bind their respective successors and assigns and inure to the benefit of their permitted successors and assigns, whether so expressed or not.

Section 16.08 Severability. If any provision hereof shall be held to be invalid, illegal or unenforceable under applicable law, then the remaining provisions hereof shall be construed as though such invalid, illegal or unenforceable provision were not contained herein.

Section 16.09 Benefits of Indenture. Nothing in this Indenture expressed and nothing that may be implied from any of the provisions hereof is intended, or shall be construed, to confer upon, or to give to, any Person other than the parties hereto and their successors and the Holders of the Securities any benefit or any right, remedy or claim under or by reason of this Indenture or any covenant, condition, stipulation, promise or agreement hereof, and all covenants, conditions, stipulations, promises and agreements in this Indenture contained shall be for the sole and exclusive benefit of the parties hereto and their successors and of the Holders of the Securities.

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Section 16.10 Counterparts. This Indenture may be executed in any number of counterparts, each of which so executed shall be deemed to be an original, but all such counterparts shall together constitute but one and the same instrument.

Section 16.11 Governing Law; Waiver of Trial by Jury. This Indenture and the Securities shall be deemed to be contracts made under the law of the State of New York, and for all purposes shall be governed by and construed in accordance with the law of said State.

EACH PARTY HERETO, AND EACH HOLDER OF A SECURITY BY ACCEPTANCE THEREOF, HEREBY WAIVES, TO THE FULLEST EXTENT PERMITTED BY APPLICABLE LAW, ANY RIGHT IT MAY HAVE TO A TRIAL BY JURY IN RESPECT OF ANY LITIGATION DIRECTLY OR INDIRECTLY ARISING OUT OF, UNDER OR IN CONNECTION WITH THIS INDENTURE.

Section 16.12 Force Majeure. In no event shall the Trustee be responsible or liable for any failure or delay in the performance of its obligations hereunder arising out of or caused by, directly or indirectly, forces beyond its control, including, without limitation, strikes, work stoppages, accidents, acts of war or terrorism, civil or military disturbances, nuclear or natural catastrophes or acts of God, and interruptions, loss or malfunctions of utilities, communications or computer (software and hardware) services; it being understood that the Trustee shall use reasonable efforts which are consistent with accepted practices in the banking industry to resume performance as soon as practicable under the circumstances.

[Signatures on following page]

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IN WITNESS WHEREOF, the parties have caused this Indenture to be duly executed as of the date first written above.

ALKERMES PLC,
as Issuer

By: _____
Name:
Title:

[TRUSTEE],
as Trustee

By: _____
Name:
Title:

FORM OF SECURITY

FACE OF NOTE

[For Inclusion in a Global Security only — UNLESS AND UNTIL IT IS EXCHANGED IN WHOLE OR IN PART FOR THE INDIVIDUAL SECURITIES REPRESENTED HEREBY, THIS GLOBAL SECURITY MAY NOT BE TRANSFERRED EXCEPT AS A WHOLE BY THE DEPOSITARY TO A NOMINEE OF THE DEPOSITARY OR BY A NOMINEE OF THE DEPOSITARY TO THE DEPOSITARY OR ANOTHER NOMINEE OF THE DEPOSITARY OR BY THE DEPOSITARY OR ANY SUCH NOMINEE TO A SUCCESSOR DEPOSITARY OR A NOMINEE OF SUCH SUCCESSOR DEPOSITARY.]

ALKERMES PLC

% Note Due

PRINCIPAL AMOUNT: \$

CUSIP:

No.:

ALKERMES PLC, a company incorporated under the laws of the Republic of Ireland (the “Company”, which term includes any successor thereto under the Indenture referred to on the reverse hereof), for value received, hereby promises to pay to _____, or registered assigns, at the office or agency of the Company maintained for such purpose in [New York City], which shall initially be the Corporate Trust Office of the Trustee, the principal sum of _____ dollars (or such other principal amount as shall be set forth in the Schedule of Increases or Decreases in Note attached hereto) on _____, in the coin or currency of the United States, and to pay interest, semi-annually on _____ and _____ of each year, commencing _____, on said principal sum at said office or agency, in like coin or currency, at the rate per annum specified in the title of this Note, from the _____ or the _____, as the case may be, next preceding the date of this Note to which interest has been paid or duly provided for, unless the date hereof is a date to which interest has been paid or duly provided for, in which case from the date of this Note, or unless no interest has been paid or duly provided for on this Note, in which case from _____, until payment of said principal sum has been made or duly provided for; provided that payment of interest may be made at the option of the Company by check mailed to the address of the person entitled thereto as such address shall appear on the Register or by wire transfer as provided in the Indenture. Notwithstanding the foregoing, if the date hereof is after the _____ day of _____ or _____, as the case may be, and before the following _____ or _____, this Note shall bear interest from such _____ or _____; provided, that if the Company shall default in the payment of interest due on such

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_____ or _____, then this Note shall bear interest from the next preceding _____ or _____, to which interest has been paid or duly provided for or, if no interest has been paid or duly provided for on this Note, from _____. The interest so payable on any _____ or _____ will, subject to certain exceptions provided in the Indenture referred to on the reverse hereof, be paid to the person in whose name this Note is registered at the close of business on the _____ or _____, as the case may be, next preceding such _____ or _____, whether or not such day is a Business Day.

Reference is made to the further provisions of this Note set forth on the reverse hereof. Such further provisions shall for all purposes have the same effect as though fully set forth at this place.

This Note shall not be valid or become obligatory for any purpose until the certificate of authentication hereon shall have been manually signed by the Trustee under the Indenture referred to on the reverse hereof.

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IN WITNESS WHEREOF, ALKERMES PLC has caused this Note to be duly executed.

ALKERMES PLC

By: _____

Name:

Title:

CERTIFICATE OF AUTHENTICATION

This is one of the Securities of the series designated therein referred to in the within-mentioned Indenture.

Date of authentication:

[TRUSTEE]

as Trustee

By: _____

REVERSE OF NOTE

ALKERMES PLC

% Note Due

This Note is one of a duly authorized issue of securities of the Company (hereinafter called the "Securities") of the series hereinafter specified, all issued or to be issued under and pursuant to an Indenture, dated as of _____, 20____ (the "Indenture"), duly executed and delivered by the Company to _____, as Trustee (the "Trustee," which term includes any successor trustee), to which the Indenture and all indentures supplemental thereto reference is hereby made for a description of the rights, limitations of rights, obligations, duties and immunities thereunder of the Trustee, the Company and the Holders of the Securities. The Securities may be issued in one or more series, which different series may be issued in various aggregate principal amounts, may mature at different times, may bear interest (if any) at different rates, may be subject to different redemption provisions (if any), may be subject to different sinking, purchase or analogous funds (if any) and may otherwise vary as in the Indenture provided. This Note is one of a series designated as the _____ % Notes Due of the Company, limited in aggregate principal amount to \$ _____; provided, however, that the Company, without notice to or consent of the Holders, may issue additional Securities of this series and thereby increase such principal amount in the future, on the same terms and conditions (except for issue date, public offering price and, if applicable, the date from which interest accrues and the first Interest Payment Date) and with the same CUSIP number as the Securities of this series.

Interest will be computed on the basis of a 360-day year of twelve 30-day months. The Company shall pay interest on overdue principal, premium, if any, and, to the extent lawful, on overdue installments of interest at the rate per annum borne by this Note. If a payment date is not a Business Day as defined in the Indenture at a Place of Payment, payment may be made at that place on the next succeeding day that is a Business Day, and no interest shall accrue for the intervening period.

In case an Event of Default (as defined in the Indenture) with respect to the _____ % Notes Due shall have occurred and be continuing, the principal hereof and the interest accrued hereon, if any, may be declared, and upon such declaration shall become, due and payable, in the manner, with the effect and subject to the conditions provided in the Indenture.

The Indenture contains provisions that provide that the Company and the Trustee may enter into an indenture or indentures supplemental hereto for the purpose of amending any provisions of the Indenture or of modifying in any manner the rights of the Holders of the Securities of such series to be affected with the written consent of the Holders of a majority in principal amount of the Outstanding Securities of such series affected by such amendment voting separately; provided that, without the consent of each Holder of the Securities of each series affected thereby, an amendment may not: (i) extend the Stated Maturity of the principal of, or any installment of interest on, such Holder's Security, or reduce the principal amount thereof or the interest thereon or any premium payable upon redemption thereof, or extend the Stated Maturity of, or change the Currency in which the principal of and premium, if any, or interest on

such Security is denominated or payable, or reduce the amount of the principal of an Original Issue Discount Security that would be due and payable upon a declaration of acceleration of the Maturity thereof, or impair the right to institute suit for the enforcement of any payment on or after the Stated Maturity thereof (or, in the case of redemption, on or after the Redemption Date), or materially adversely affect the economic terms of the Holder's right to convert or exchange any Security as may be provided in the Indenture; (ii) reduce the percentage in principal amount of the Outstanding Securities of any series, the consent of whose Holders is required for any supplemental indenture, or the consent of whose Holders is required for any waiver of compliance with certain provisions of the Indenture or certain Defaults hereunder and their consequences provided for in the Indenture; (iii) modify any of the provisions of the Indenture governing amendments or waivers with the consent of Holders except to increase any such percentage or to provide that certain other provisions of the Indenture cannot be modified or waived without the consent of the Holder of each outstanding Security affected thereby; or (iv) modify, without the written consent of the Trustee, the rights, duties or immunities of the Trustee.

It is also provided in the Indenture that, subject to certain conditions, the Holders of a majority in aggregate principal amount of a series of Securities at the time Outstanding may on behalf of the Holders of all of the Securities of such series waive any past Default or Event of Default hereunder and its consequences except a Default in the payment of interest or any premium on or the principal of the Securities of such series. Upon any such waiver, the Company, the Trustee and the Holders of the Securities of such series shall be restored to their former positions and rights under the Indenture, respectively; provided that no such waiver shall extend to any subsequent or other Default or Event of Default or impair any right consequent thereon.

No reference herein to the Indenture and no provision of this Note or of the Indenture shall alter or impair the obligation of the Company, which is absolute and unconditional, to pay the principal of and interest on this Note in the manner, at the place, at the respective times, at the rate and in the coin or currency herein prescribed.

The Notes are issuable initially in registered form without coupons in denominations of any integral multiple of \$1,000 and are transferable and exchangeable at the office or agency of the Company maintained for such purpose in [New York City], which shall initially be the Corporate Trust Office of the Trustee, and in the manner and subject to the limitations provided in the Indenture.

[This Note will not be redeemable at the option of the Company prior to maturity.] [This Note is redeemable prior to maturity _____.]
[This Note is entitled to the benefits of a mandatory sinking fund as follows: _____.]

Upon due presentment for registration of transfer of this Note at the office or agency of the Company maintained for such purpose in [New York City], which shall initially be the Corporate Trust Office of the Trustee, a new Note or Notes of authorized denominations for an equal aggregate principal amount will be issued to the transferee in exchange therefor, subject to the limitations provided in the Indenture, without charge except for any tax or other governmental charge imposed in connection therewith.

The Company, the Trustee and any agent of the Company or the Trustee may deem and treat the registered Holder hereof as the absolute owner of this Note (whether or not this Note shall be overdue and notwithstanding any notation of ownership or other writing hereon), for the purpose of receiving payment of, or on account of, the principal hereof and, subject to the provisions hereof, interest hereon, and for all other purposes, and neither the Company nor the Trustee nor any agent of the Company or the Trustee shall be affected by any notice to the contrary.

No recourse under or upon any obligation, covenant or agreement contained in the Indenture or any indenture supplemental thereto or in any Note, or because of any indebtedness evidenced thereby, shall be had against any incorporator as such, or against any past, present or future stockholder, officer, director or employee, as such, of the Company or of any successor, either directly or through the Company or any successor, under any rule of law, statute or constitutional provision or by the enforcement of any assessment or by any legal or equitable proceeding or otherwise, all such liability being expressly waived and released by the acceptance hereof and as part of the consideration for the issue hereof.

Terms used herein which are defined in the Indenture shall have the respective meanings assigned thereto in the Indenture.

The laws of the State of New York (without regard to conflicts of laws principles thereof) shall govern this Note.

ASSIGNMENT

FOR VALUE RECEIVED, the undersigned hereby sell(s), assign(s) and transfer(s) unto

[PLEASE INSERT SOCIAL SECURITY OR OTHER IDENTIFYING NUMBER OF ASSIGNEE]

[PLEASE PRINT OR TYPE NAME AND ADDRESS, INCLUDING ZIP CODE, OF ASSIGNEE]

the within Note and all rights thereunder, hereby irrevocably constituting and appointing

Attorney to transfer such Note on the books of the Issuer, with full power of substitution in the premises.

Signature: _____

Dated: _____

NOTICE: The signature to this assignment must correspond with the name as written upon the face of the within Note in every particular without alteration or enlargement or any change whatsoever.

SIGNATURE GUARANTEE

[Signatures must be guaranteed by an “eligible guarantor institution” meeting the requirements of the Registrar, which requirements include membership or participation in the Security Transfer Agent Medallion Program (“STAMP”) or such other “signature guarantee program” as may be determined by the Registrar in addition to, or in substitution for, STAMP, all in accordance with the Securities Exchange Act of 1934, as amended.]

SCHEDULE OF INCREASES OR DECREASES IN NOTE*

The initial principal amount of this Note is \$ _____ . The following increases or decreases in a part of this Note have been made:

Date	Amount of decrease in principal amount of this Note	Amount of increase in principal amount of this Note	Principal amount of this Note following such decrease (or increase)	Signature of authorized signatory of Trustee

[Letterhead of Cleary Gottlieb Steen & Hamilton LLP]

November 12, 2013

Alkermes plc
Connaught House
1 Burlington Road
Dublin 4, Ireland

Re: Registration Statement on Form S-3

Ladies and Gentlemen:

We have acted as special United States counsel to Alkermes plc, a corporation incorporated under the laws of the Republic of Ireland (the "Company"), in connection with the preparation and filing with the Securities and Exchange Commission (the "Commission") of the Company's registration statement on Form S-3 (excluding the documents incorporated by reference therein, the "Registration Statement") filed pursuant to the Securities Act of 1933, as amended (the "Securities Act"), relating to the offering from time to time, together or separately and in one or more series (if applicable), of (i) debt securities of the Company (the "Debt Securities") and (ii) certain other securities.

The Debt Securities being registered under the Registration Statement will have an indeterminate aggregate initial offering price and will be offered on a continuous or delayed basis pursuant to the provisions of Rule 415 under the Securities Act.

The Debt Securities are to be issued in one or more series under an indenture (as amended or supplemented, the "Indenture") to be entered into between the Company and a trustee at or before the time of issuance of the Debt Securities.

In arriving at the opinion expressed below, we have reviewed the following documents:

- (a) the Registration Statement and the documents incorporated by reference therein; and
- (b) the form of Indenture included as Exhibit 4.01 to the Registration Statement, including the form of Debt Security.

In addition, we have reviewed the originals or copies certified or otherwise identified to our satisfaction of all such other documents, and we have made such investigations of law, as we have deemed appropriate as a basis for the opinion expressed below.

In rendering the opinion expressed below, we have assumed the authenticity of all documents submitted to us as originals and the conformity to the originals of all documents submitted to us as copies. In addition, we have assumed and have not verified the accuracy as to factual matters of each document we have reviewed.

Based on the foregoing, and subject to the further assumptions and qualifications set forth below, it is our opinion that the Debt Securities will be the valid, binding and enforceable obligations of the Company, entitled to the benefits of the applicable Indenture.

Insofar as the foregoing opinion relates to the validity, binding effect or enforceability of any agreement or obligation of the Company, (a) we have assumed that the Company and each other party to such agreement or obligation has satisfied or, prior to the issuance of the Debt Securities, will satisfy, those legal requirements that are applicable to it to the extent necessary to make such agreement or obligation enforceable against it, (b) we have assumed that at the time of the issuance, sale and delivery of the Debt Securities, any prior authorization thereof by the Company will not have been modified or rescinded and there will not have occurred any change in law affecting the validity, binding effect and enforceability of the Debt Securities, (c) such opinion is subject to applicable bankruptcy, insolvency and similar laws affecting creditors' rights generally and to general principles of equity and (d) such opinion is subject to the effect of judicial application of foreign laws or foreign governmental actions affecting creditors' rights.

In rendering the opinion expressed above, we have further assumed that (i) prior to the issuance of the Debt Securities, the Company will authorize the offering and issuance of the Debt Securities and will duly authorize, approve and establish the final terms and conditions thereof, which terms will conform to the descriptions thereof in the Registration Statement, and to the terms of the applicable Indenture, and will not violate any applicable law, conflict with any matter of public policy, result in a default under or breach of any agreement or instrument binding upon the Company or violate any requirement or restriction imposed by any court or governmental body having jurisdiction over the Company; (ii) prior to issuance of the Debt Securities, the Company will duly authorize, execute and deliver any agreement necessary with respect to the Debt Securities or contemplated by the Debt Securities, any agreement governing those Debt Securities or the Registration Statement and will take any other appropriate additional corporate action; (iii) the applicable Indenture will have been duly authorized and validly executed and delivered by the parties thereto and qualified under the Trust Indenture Act of 1939, as amended; (iv) the Debt Securities will be offered, issued, sold and delivered in compliance with applicable law and any requirements therefor set forth in any corporate action authorizing such Debt Securities and any agreement governing those Debt Securities and in the manner contemplated by the Registration Statement and the related prospectus describing the Debt Securities and the offering thereof; and (v) the Debt Securities will be offered, sold and delivered to, and paid for by, the purchasers thereof at the price specified in, and in accordance with the terms of, an agreement or agreements duly authorized, executed and delivered by the parties thereto.

In addition, in rendering the opinion above, we have assumed that with respect to any Debt Security or any applicable Indenture that includes any alternative or additional terms that are not specified in the forms thereof examined by us, such inclusion would not cause such Debt Security not to be valid, binding or enforceable.

In rendering the opinion expressed above, we have assumed that each series of Debt Securities will be issued with an original aggregate principal amount (or in the case of Debt Securities issued at original issue discount, an aggregate issue price) of \$2,500,000 or more.

We note that any designation in the Debt Securities, in the applicable Indenture or any other applicable agreement governing those Debt Securities of the U.S. federal courts sitting in New York City as the venue for actions or proceedings relating to such Debt Securities or Indenture is (notwithstanding any waiver thereof) subject to the power of such courts to transfer actions pursuant to 28 U.S.C. §1404(a) or to dismiss such actions or proceedings on the grounds that such a federal court is an inconvenient forum for such an action or proceeding.

We note that by statute New York provides that a judgment or decree rendered in a currency other than the currency of the United States shall be converted into U.S. dollars at the rate of exchange prevailing on the date of entry of the judgment or decree. There is no corresponding federal statute and no controlling Federal court decision on this issue. Accordingly, we express no opinion as to whether a Federal court would award a judgment in a currency other than U.S. dollars or, if it did so, whether it would order conversion of the judgment into U.S. dollars. In addition, to the extent that any Debt Securities or applicable agreement governing those Debt Securities includes a provision relating to indemnification against any loss in obtaining currency due from a court judgment in another currency, we express no opinion as to the enforceability of such provision.

The foregoing opinion is limited to the federal law of the United States of America and the law of the State of New York.

We hereby consent to the use of our name in the prospectus constituting a part of the Registration Statement and in any prospectus supplements related thereto under the heading "Legal Matters," and to the use of this opinion as a part of the Registration Statement (Exhibit 5.01). In giving such consent, we do not thereby admit that we are within the category of persons whose consent is required under Section 7 of the Securities Act or the rules and regulations of the Commission thereunder. The opinion expressed herein is rendered on and as of the date hereof, and we assume no obligation to advise you or any other person, or to make any investigations, as to any legal developments or factual matters arising subsequent to the date hereof that might affect the opinion expressed herein.

Very truly yours,

CLEARY GOTTlieb STEEN & HAMILTON LLP

By /s/ Jorge U. Juantorena
Jorge U. Juantorena, a Partner

12 November 2013

To: Board of Directors
Alkermes plc
Connaught House
1 Burlington Road
Dublin 4
Ireland

Re: **Alkermes plc**
Form S-3 Registration Statement

Dear Sirs,

1. **Basis of Opinion**

- 1.1 We are acting as Irish counsel to Alkermes plc, registered number 498284, a public company limited by shares, incorporated under the laws of Ireland, with its registered office at Connaught House, 1 Burlington Road, Dublin 4 (the “**Company**”), in connection with the Registration Statement on Form S-3 to be filed by the Company with the United States Securities and Exchange Commission (the “**SEC**”) under the Securities Act of 1933, as amended (the “**Securities Act**”) on or around the date hereof (the “**Registration Statement**”). We refer in particular to the Company’s (i) ordinary shares of US\$0.01 nominal value per share (the “**Ordinary Shares**”) and (ii) preferred shares of US\$0.01 nominal value per share (the “**Preferred Shares**”, together with the Ordinary Shares, the “**Shares**”) and (iii) debt securities as described in the Registration Statement (the “**Debt Securities**”) that may be issued by the Company pursuant to the Registration Statement.
- 1.2 This Opinion is confined to and given in all respects on the basis of the laws of Ireland in force as at the date hereof as currently applied by the courts of Ireland. We have made no investigations of and we express no opinion as to the laws of any other jurisdiction or the effect thereof. In particular, we express no opinion on the laws of the European Union as they affect any jurisdiction other than Ireland. We have assumed without investigation that insofar as the laws of any jurisdiction other than Ireland are relevant, such laws do not prohibit and are not inconsistent with any of the obligations or rights expressed in the Documents (as defined in paragraph 1.3) or the transactions contemplated thereby.
- 1.3 This Opinion is also strictly confined to:
- (a) the matters expressly stated herein at paragraph 2 below and is not to be read as extending by implication or otherwise to any other matter;
 - (b) the documents listed in the schedule to this Opinion (the “**Documents**”); and
 - (c) the searches listed at 1.5 below.

We express no opinion, and make no representation or warranty, as to any matter of fact or in respect of any documents which may exist in relation to the Shares and Debt Securities, other than the Documents.

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- 1.4 For the purpose of giving this Opinion, we have examined copies sent to us by email in pdf or other electronic format of the Documents.
- 1.5 For the purpose of giving this Opinion, we have caused to be made the following legal searches against the Company on 11 November 2013 (together the “**Searches**”):
- (a) on the file of the Company maintained by the Irish Registrar of Companies in Dublin for returns of allotments, special resolutions amending the Memorandum and Articles of Association of the Company, mortgages, debentures or similar charges or notices thereof and for the appointment of any receiver, examiner or liquidator;
 - (b) in the Judgments Office of the High Court for unsatisfied judgments, orders, decrees and the like for the twelve years immediately preceding the date of the search; and
 - (c) in the Central Office of the High Court in Dublin for any proceedings and petitions filed in respect of the Company.
- 1.6 This Opinion is governed by and is to be construed in accordance with the laws of Ireland as interpreted by the courts of Ireland at the date hereof. This Opinion speaks only as of its date.

2. **Opinion**

Subject to the assumptions and qualifications set out in this Opinion and to any matters not disclosed to us, we are of the opinion that:

- 2.1 the Company is a public company limited by shares, is duly incorporated and validly existing under the laws of Ireland and has the requisite corporate authority to issue the Shares;
- 2.2 when the Shares are allotted and issued pursuant to duly adopted resolutions of the board of directors of the Company (including resolutions duly adopted by the board approving powers of attorney appointing officers or senior executives of the Company as the lawful attorneys of the Company for the purposes of exercising the Company’s powers in respect of the allotment and issue of the Shares), the Shares shall be

validly issued, fully paid and non-assessable (which term means that no further sums are required to be paid by the holders thereof in connection with the issue of such Shares);

- 2.3 the Company is a public company limited by shares, is duly incorporated and validly existing under the laws of Ireland and has the requisite corporate authority to issue the Debt Securities; and
- 2.4 with respect to the Debt Securities, when the board of directors of the Company has taken all necessary corporate actions to approve the issuance thereof, the Debt Securities will be duly authorised under Irish law and the Memorandum and Articles of Association of the Company.

3. Assumptions

For the purpose of giving this Opinion, we assume the following without any responsibility on our part if any assumption proves to have been untrue as we have not verified independently any assumption:

Registration Statement and the Shares

- 3.1 that when filed with the SEC, the Registration Statement will not differ in any material respect from the drafts that we have examined and that the Registration Statement and amendments to the Registration Statement (including post-effective amendments) will have become effected under the Securities Act;
 - 3.2 that a complete prospectus supplement will have been prepared and filed with the SEC describing the Shares offered thereby;
 - 3.3 that any Shares issued under the Registration Statement will be in consideration of the receipt by the Company prior to the issue of the Shares pursuant thereto of either cash or the release of a liability of the Company for a liquidated sum, at least equal to the nominal value of such Shares and any premium required to be paid up on the Shares pursuant to their terms of issue;
 - 3.4 that all securities offered and/or sold under the Registration Statement will be offered and/or sold in compliance with all applicable laws, including applicable U.S. federal and U.S. state securities laws, in the manner stated in the Registration Statement and any appropriate prospectus supplement;
 - 3.5 that a definitive purchase, underwriting or similar agreement with respect to any Shares offered will have been duly authorised and validly executed and delivered by the Company and the other parties thereto;
 - 3.6 that the filing of the Registration Statement with the SEC has been authorized by all necessary actions under all applicable laws other than Irish law;
 - 3.7 that, at the time of issue of the Shares, the authority of the Company and the directors of the Company to issue the Shares, as provided for in the Articles of Association of the Company and the Companies Acts 1963 to 2012 of Ireland (the “Companies Acts”), is in full force and effect;
 - 3.8 that the Company will continue to renew its authority to issue the Shares in accordance with the terms and conditions set out in the Articles of Association of the Company and the Companies Acts and that, where such authority has not been renewed, the Company will not issue the Shares after such authority has expired;
 - 3.9 that the issue of the Shares upon the conversion, exchange and exercise of any securities issued under the Registration Statement will be conducted in accordance with the terms and the procedures described in the Articles of Association of the Company, the Companies Acts and the terms of issue of such securities;
 - 3.10 that, at the time of issue of the Shares, the Company will have sufficient authorised but unissued share capital to issue the required number of Shares;
 - 3.11 that any offer and/or sale of Shares will be in compliance with the Companies Acts, the Irish Takeover Panel Act, 1997, Takeover Rules 2007 (as amended), and all other applicable Irish company, takeover, securities, market abuse, insider dealing laws and other rules and regulations;
 - 3.12 that as at the time of the offer and/or sale of the Shares, such offer and/or sale shall not be in contravention or breach of any agreement, undertaking, arrangement, deed or covenant affecting the Company or to which the Company is a party or otherwise bound or subject;
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- 3.13 that the Registration Statement does not constitute (and is not intended/required to constitute) a prospectus within the meaning of Part 5 of the Investment Funds, Companies and Miscellaneous Provisions Act 2005 of Ireland and that no offer of Shares to the public is made, or will be made, that requires the publication of a prospectus pursuant to Irish prospectus law in general, or in particular pursuant to the Prospectus (Directive 2003/71/EC) Regulations 2005 of Ireland;
 - 3.14 that any power of attorney granted by the Company in respect of the offer and/or sale of the Shares shall have been duly granted, approved and executed in accordance with the Company’s Articles of Association, the Companies Acts, the Powers of Attorney Act of 1996 of Ireland and all other applicable laws, rules and regulations;

Authenticity and bona fides

- 3.15 the completeness and authenticity of all documents submitted to us as originals or copies of originals and (in the case of copies) conformity to the originals of copy documents and the genuineness of all signatories, stamps and seals thereon;
 - 3.16 where incomplete Documents have been submitted to us or signature pages only have been supplied to us for the purposes of issuing this Opinion, that the originals of such Documents correspond in all respects with the last draft of the complete Documents submitted to us;
 - 3.17 that the Documents will be executed in a form and content having no material difference to the drafts provided to us, will be delivered by the parties thereto, and that the terms thereof will be observed and performed by the parties thereto;
 - 3.18 that the copies produced to us of minutes of meetings and/or of resolutions correctly record the proceedings at such meetings and/or the subject matter which they purport to record and that any meetings referred to in such copies were duly convened, duly quorate and held, that those present at any such meetings were entitled to attend and vote at the meeting and acted *bona fide* throughout and acted in accordance with any of their duties, that all resolutions set out in such copies were duly passed and that no further resolutions have been passed or corporate or other action taken which would or might alter the effectiveness thereof;
 - 3.19 that there is or was, at the relevant time of allotment of the Shares, no matter effecting the authority of the directors to issue and allot the Shares, not disclosed by the Memorandum and Articles of Association or the resolutions produced to us, which would have any adverse implications in relation to the opinions expressed in this Opinion;
 - 3.20 that the Memorandum and Articles of Association of the Company amended on 15 September 2011 are the current Memorandum and Articles of Association of the Company, are up to date and have not been amended or superseded and that there are no other terms governing the Shares other than the those set out in the Memorandum and Articles of Association of the Company;
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Accuracy of Searches and warranties

- 3.21 the accuracy and completeness of the information disclosed in the Searches and that such information is accurate as of the date of this Opinion and has not since the time of such search or enquiry been altered. It should be noted that (a) the matters disclosed in the Searches may not present a complete summary of the actual position on the matters we have caused searches to be conducted for, (b) the position reflected by the Searches may not be fully up-to-date and (c) searches at the Companies Registration Office do not necessarily reveal whether or not a prior charge has been created or a resolution has been passed or a petition presented or any other action taken for the winding-up of, or the appointment of a receiver or an examiner to, the Company or its assets;
- 3.22 the truth, completeness and accuracy of all representations and statements as to factual matters contained in the Documents;

Solvency and Insolvency

- 3.23 that (i) the Company was not unable to pay its debts within the meaning of Section 214 of the 1963 Act and Section 2 of the Companies (Amendment) Act 1990 or any analogous provision under any applicable laws immediately after the execution and delivery of the Documents; (ii) the Company will not, as a consequence of doing any act or thing which any Document contemplates, permits or requires the relevant party to do, be unable to pay its debts within the meaning of such Sections or any analogous provisions under any applicable laws; (iii) no liquidator, receiver or examiner or other similar or analogous officer has been appointed in relation to the Company or any of its assets or undertaking; and (iv) no petition for the making of a winding-up order or the appointment of an examiner or any similar officer or any analogous procedure has been presented in relation to the Company;
- 3.24 that no proceedings have been instituted or injunction granted against the Company to restrain it from issuing the Shares and the issue of any Shares would not be contrary to any state, governmental, court, state or quasi-governmental agency, licensing authority, local or municipal governmental body or regulatory authority's order, direction, guideline, recommendation, decision, licence or requirement;

Financial Assistance

- 3.25 that the Company is not, by entering into the Documents or performing its obligations thereunder, providing financial assistance in connection with a purchase or subscription of its shares or those of its holding company for the purpose of or which would be prohibited by Section 60 of the 1963 Act; and

Commercial Benefit

- 3.26 that the Documents have been entered into for *bona fide* commercial purposes, on arm's length terms and for the benefit of each party thereto and are in those parties' respective commercial interest and for their respective corporate benefit.

4. Disclosure

This Opinion is addressed to you in connection with the registration of the Shares and Debt Securities with the SEC. We hereby consent to the inclusion of this Opinion as an exhibit to the Registration Statement to be filed with the SEC. We also hereby consent to the reference to our firm under the caption "Legal Matters" in the Registration Statement. In giving this

consent, we do not thereby admit that we are in a category of person whose consent is required under Section 7 of the Securities Act.

5. No Refresher

This Opinion speaks only as of its date. We are not under any obligation to update this Opinion from time to time or to notify you of any change of law, fact or circumstances referred to or relied upon in the giving of this Opinion.

Yours faithfully,

/s/ Arthur Cox
ARTHUR COX

SCHEDULE

Documents

1. A copy of the form of the Registration Statement on Form S-3 to be filed by the Company with the SEC.
 2. A copy of the resolution of the board of directors of the Company dated 27 and 28 March 2013 approving the delegation to the Audit and Risk Committee of the board of directors the authority to approve financing transactions and to take such actions as are necessary for such transactions.
 3. A copy of the resolution of the Audit and Risk Committee of the board of directors of the Company dated 8 November 2013 regarding the approval and filing of the Registration Statement with the SEC.
 4. A copy of the shareholders' resolution of the Company adopting the Memorandum and Articles of Association of the Company dated 15 September 2011.
 5. A copy of the resolution of the board of directors of the Company dated 16 September 2011.
 6. A corporate certificate of the secretary of the Company dated 12 November 2013.
 7. A copy of the Memorandum and Articles of Association of the Company in the form adopted by resolution of the shareholders of the Company on 15 September 2011.
 8. A copy of the Certificate of Incorporation of the Company dated 4 May 2011.
 9. A copy of the Certificate of Incorporation on re-registration as a public limited company dated 25 July 2011.
 10. A copy of the Certificate of Incorporation of Change of Name of the Company dated 14 September 2011.
 11. Letter of Status from the Irish Companies Registration Office dated 11 November 2013.
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Alkermes plc
Ratio of Earnings to Fixed Charges

	Year Ended March 31,					Six Months
	2009	2010	2011	2012	2013	Ended 9/30/13
	(in thousands)					
Earnings Before Income Taxes	131,012	(44,701)	(46,491)	(114,392)	35,441	2,523
Fixed Charges (A)	17,625	9,662	5,088	29,506	50,638	7,696
	148,637	(35,039)	(41,403)	(84,886)	86,079	10,219
Fixed Charges (B)	17,625	9,662	5,088	29,506	50,638	7,696
Ratio of Earnings to Fixed Charges	8.43	(C)	(C)	(C)	1.70	1.33

(A) Includes fixed charges (as described in footnote (B) below), less capitalized interest.

(B) Fixed charges includes interest expense (including amortization of debt issue costs) and a portion of rent expense representative of the interest factor, which we estimate to be 33%.

(C) Due to our losses for the years ended March 31, 2010, 2011 and 2012, the ratio coverage was less than 1:1. To achieve a coverage ratio of 1:1, we would have had to generate additional earnings of the amounts shown in the table below.

	Year Ended March 31,					Six Months
	2009	2010	2011	2012	2013	Ended 9/30/13
	(in thousands)					
Coverage deficiency	—	44,701	46,491	114,392	—	—

CONSENT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

We hereby consent to the incorporation by reference in this Registration Statement on Form S-3 of our report dated May 23, 2013 relating to the financial statements and the effectiveness of internal control over financial reporting, which appears in Alkermes plc's Annual Report on Form 10-K for the year ended March 31, 2013. We also consent to the reference to us under the heading "Experts" in such Registration Statement.

/s/ PricewaterhouseCoopers LLP
Boston, Massachusetts
November 12, 2013
