

MOLECULE HOLDINGS INC.

NOTICE OF ANNUAL GENERAL MEETING OF SHAREHOLDERS

TO BE HELD ON APRIL 27, 2022

NOTICE IS HEREBY GIVEN that the annual general meeting (the “**Meeting**”) of the holders (“**Shareholders**”) of common shares (“**Common Shares**”) of Molecule Holdings Inc. (the “**Company**”) will be held at on April 27, 2022 at 3:00 p.m. (Toronto time). The Meeting will be accessible via teleconference at the following toll-free number 1-888-892-3255 for the following purposes:

1. to receive the audited consolidated financial statements of the Company for the financial years ended October 31, 2021 and 2020, together with the auditors’ report thereon;
2. to elect the directors of the Company to hold office until the next general meeting of Shareholders;
3. to re-appoint McGovern Hurley LLP, Chartered Professional Accountants, as auditors of the Company to hold office until the next annual meeting of Shareholders and to authorize the board of directors of the Company to fix its remuneration; and
4. to transact such other business as may properly be brought before the Meeting or any postponement or adjournments thereof.

Accompanying this Notice of Meeting is the Information Circular and a copy of the audited financial statements of the Company for the financial year ended October 31, 2021 and 2020, together with the auditors’ report thereon. Information relating to all of the items above are set forth in the Information Circular. The Board has fixed the close of business on March 21, 2022 (the “**Record Date**”) as the record date for the determination of holders of Common Shares entitled to notice of the Meeting and any adjournments thereof.

Consistent with the latest directives and orders of public health and governmental authorities regarding the COVID-19 coronavirus and in consideration of the health and safety of our Shareholders, colleagues and the broader community, the Meeting will be accessible via teleconference at the following toll-free number: 1-888-892-3255.

It is recommended that Shareholders dial in at least fifteen (15) minutes before the Meeting starts in order to allow ample time to check into the Meeting.

To join the Meeting via teleconference, please dial: 1-888-892-3255. Please note that you will not be able to vote via live teleconference. If you intend to listen to the Meeting via teleconference you must vote on the matters prior to the Meeting by completing your proxy in accordance with the instructions contained herein and in the proxy.

If you are a Registered Shareholder, please exercise your right to vote by dating, signing and returning the accompanying form of proxy to Computershare Trust Company of Canada, the transfer agent and registrar of the Company. To be valid, completed proxy forms must be dated, completed, signed and deposited with the Company's transfer agent and registrar, Computershare Trust Company of Canada: (i) by mail using the enclosed return envelope or one addressed to

Computershare Trust Company of Canada, Proxy Department, 8th Floor, 100 University Avenue, Toronto, Ontario M5J 2Y1; (ii) by hand delivery to Computershare Trust Company of Canada, Proxy Department, 8th Floor, 100 University Avenue, Toronto, Ontario M5J 2Y1; (iii) by facsimile to 1-866-249-7775 (within Canada, the United States or Internationally); (iv) by telephone at 1-866-732-8683 (within Canada and the United States) or 1-312-588-4290 (Internationally); or (v) through the Internet at www.investorvote.com. You will require your 15-digit control number found on your proxy form.

Your proxy or voting instruction form must be received in each case no later than 3:00 p.m. (Toronto time) on April 25, 2022 (or, if the Meeting is adjourned or postponed, 48 hours (Saturdays, Sundays and holiday excepted) prior to the time of holding the Meeting) in accordance with the delivery instructions above. We encourage you to complete the enclosed form of proxy or voting instruction form as soon as possible so that as large a representation as possible may be had at the Meeting.

DATED at Toronto, Ontario, this 24th day of March, 2022.

BY ORDER OF THE BOARD OF DIRECTORS

(signed) "David Reingold"

David Reingold
President and Chief Executive Officer