

July 7, 2023

VIA EDGAR

United States Securities and Exchange Commission  
Division of Corporation Finance  
100 F Street, N.E.  
Washington, D.C. 20549  
Attention: Dillon Hagius

**Re: Delaying Amendment for Artelo Biosciences, Inc. Registration Statement on Form S-3 (File No. 333-273153)**

Ladies and Gentlemen:

Reference is made to the Registration Statement on Form S-3 (File No. 333-273153) filed with the Securities and Exchange Commission (the "Commission") by Artelo Biosciences, Inc. on July 6, 2023 (the "Registration Statement"). Pursuant to Rule 473(c) of the Securities Act of 1933, as amended (the "Act"), the following delaying amendment, prescribed by Rule 473(a) of the Act, is hereby incorporated into the facing page of the Registration Statement:

**"The registrant hereby amends this registration statement on such date or dates as may be necessary to delay its effective date until the registrant shall file a further amendment which specifically states that this registration statement shall thereafter become effective in accordance with Section 8(a) of the Securities Act of 1933, as amended, or until the registration statement shall become effective on such date as the Commission acting pursuant to said Section 8(a), may determine."**

No fees are required in connection with this filing. If you have any questions or comments in connection with this delaying amendment, please call Martin J. Waters, Wilson Sonsini Goodrich & Rosati, P.C., at 858-350-2308, or Thomas Hornish, Wilson Sonsini Goodrich & Rosati, P.C., at 858-350-2392, outside counsel to the Company.

Sincerely,

ARTELO BIOSCIENCES, INC.

/s/ Gregory D. Gorgas

Gregory D. Gorgas  
President and Chief Executive Officer

cc: Martin J. Waters, Wilson Sonsini Goodrich & Rosati, P.C.  
Thomas Hornish, Wilson Sonsini Goodrich & Rosati, P.C.