

July 16, 2025

**VIA EDGAR**

U.S. Securities and Exchange Commission  
Division of Corporation Finance  
Office of Life Sciences  
100 F Street, N.E.  
Washington, D.C. 20549-3720  
Attention: Doris Stacey Gama

**Re: Artelo Biosciences Inc.  
Registration Statement on Form S-1  
File No. 333-288653**

**Acceleration Request**

**Requested Date: July 17, 2025**  
**Requested Time: 4:00 p.m. Eastern Time, or as soon thereafter as practicable**

Ladies and Gentlemen:

Pursuant to Rule 461 under the Securities Act of 1933, as amended, Artelo Biosciences, Inc. (the “**Company**”) hereby requests that its Registration Statement on Form S-1 (File No. 333-288653) (the “**Registration Statement**”) be declared effective at the “Requested Date” and “Requested Time” set forth above or at such later time as the Company or its counsel may orally request via telephone call to the staff of the Division of Corporation Finance of the Securities and Exchange Commission. Once the Registration Statement has been declared effective, please orally confirm that event with our counsel, Wilson Sonsini Goodrich & Rosati, P.C., by calling Thomas E. Hornish at (858) 209-1020.

Sincerely,

ARTELO BIOSCIENCES, INC.

By: /s/Gregory D. Gorgas.  
Gregory D. Gorgas.  
President and Chief Executive Officer

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