

August 26, 2021

Daniel Char  
Secretary and General Counsel  
Evelo Biosciences, Inc.  
620 Memorial Drive  
Cambridge, Massachusetts 02139

Inc.

Statement on Form S-3  
2021

Re: Evelo Biosciences,  
Registration  
Filed August 23,  
File No. 333-259005

Dear Mr. Char:

This is to advise you that we have not reviewed and will not review your registration statement.

Please refer to Rules 460 and 461 regarding requests for acceleration. We remind you that the company and its management are responsible for the accuracy and adequacy of their disclosures, notwithstanding any review, comments, action or absence of action by the staff.

Please contact Michael Davis at 202-551-4385 or Joe McCann at 202-551-6262 with any questions.

Sincerely,

Division of Corporation Finance

Office of Life Sciences

cc:

Peter N. Handrinos