

August 14, 2023

Balkrishan (Simba) Gill, Ph.D.  
Chief Executive Officer  
Evelo Biosciences, Inc.  
620 Memorial Drive  
Cambridge, Massachusetts 02139

Inc.

Statement on Form S-3

2023

Re: Evelo Biosciences,

Registration

Filed August 10,

File No. 333-273869

Dear Balkrishan (Simba) Gill:

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.

Gorsky at 202-551-7836 with any questions.

Please contact Joshua

Sincerely,

Division of Corporation Finance

Office of Life Sciences

cc:  
Esq.

Peter N. Handrinos,