

**SALARIUS PHARMACEUTICALS, INC.**  
**2450 Holcombe Blvd., Suite X**  
**Houston, Texas 77021**

December 26, 2024

***VIA EDGAR***

Office of Life Sciences  
Division of Corporation Finance  
U.S. Securities and Exchange Commission  
100 F Street, N.E.  
Washington, D.C. 20549

**Re: Salarius Pharmaceuticals, Inc.**  
**Registration Statement on Form S-1**  
**Filed December 16, 2024**  
**File No. 333-283828**  
**Request for Acceleration of Effective Date**

Ladies and Gentlemen:

Pursuant to Rule 461 of the General Rules and Regulations under the Securities Act of 1933, as amended, Salarius Pharmaceuticals, Inc. hereby requests that the Securities and Exchange Commission accelerate the effective date of the above-referenced Registration Statement on Form S-1 and declare such Registration Statement effective as of 5:00 p.m., Eastern Standard Time, on December 27, 2024, or as soon thereafter as possible.

Please direct any questions or comments concerning this request to Amanda Brown of Hogan Lovells US LLP at (267) 675-4683. Also, please notify Ms. Brown when this request for acceleration has been granted.

Very truly yours,

**SALARIUS PHARMACEUTICALS, INC.**

By: /s/ Mark J. Rosenblum  
Name: Mark J. Rosenblum