

December 2, 2022

VIA EDGAR

U.S. Securities and Exchange Commission
Division of Corporation Finance
Office of Manufacturing
100 F Street, N.E.
Washington, D.C. 20549-3720

**Re: Amprius Technologies, Inc.
 Registration Statement on Form S-1
 (File No. 333-267691)
 Withdrawal of Acceleration Request**

Ladies and Gentlemen:

Amprius Technologies, Inc. (the “**Company**”) hereby respectfully requests withdrawal of its acceleration request filed on November 29, 2022, relating to its Registration Statement on Form S-1 (File No. 333-267691) (the “**Registration Statement**”). The Company is no longer requesting that such Registration Statement be declared effective at this time and we hereby formally withdraw our request for acceleration of the effective date.

If you have any questions regarding the foregoing, please contact our counsel, Austin D. March of Wilson Sonsini Goodrich & Rosati, P.C., at (512) 338-5410 or amach@wsgr.com.

[Signature page follows]

Sincerely,
AMPRIUS TECHNOLOGIES, INC.

/s/ Sandra Wallach
Sandra Wallach
Chief Financial Officer

cc: Michael J. Danaher, Mark B. Baudler, and Austin D. March, Wilson Sonsini Goodrich & Rosati, P.C.