

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION WASHINGTON, D.C. 20549

April 11, 2023

Sandra Wallach Chief Financial Officer Amprius Technologies, Inc. 1180 Page Avenue Fremont, California 94538

> Re: Amprius Technologies, Inc. Form S-1 filed on April 5, 2023 File No. 333-271149

Dear Sandra Wallach:

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 Jenny O'Shanick at 202-551-8005 with any questions.

Sincerely,

Division of Corporation Finance Office of Manufacturing

cc: Austin March