

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

October 5, 2023

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

> Re: Amprius Technologies, Inc. Registration Statement on Form S-3 Filed October 3, 2023 File No. 333-274834

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 Alex King at 202-551-8631 with any questions.

Sincerely,

Division of Corporation Finance Office of Manufacturing

cc: Michael Danaher