



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

DIVISION OF
CORPORATION FINANCE

Mail Stop 3030

December 8, 2016

Via E-mail

George Laplante
Chief Financial Officer
Ambarella, Inc.
3101 Jay Street
Santa Clara, California 95054

Re: Ambarella, Inc.
Form 10-K for Fiscal Year Ended January 31, 2016
Filed March 25, 2016
File No. 001-35667

Dear Mr. Laplante:

We have completed our review of your filings. 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.

Sincerely,

/s/Brian Cascio

Brian Cascio
Accounting Branch Chief
Office of Electronics and Machinery