



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

DIVISION OF
CORPORATION FINANCE

Mail Stop 3030

May 1, 2017

Via E-mail

Seth H. Bagshaw
Vice President, Chief Financial Officer & Treasurer
MKS Instruments, Inc.
2 Tech Drive, Suite 201
Andover, MA 01810

Re: MKS Instruments, Inc.
Form 10-K for the Year Ended December 31, 2016
Filed March 1, 2017
File No. 0-23621

Dear Mr. Bagshaw:

We have completed our review of your filing. 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/ Martin James

Martin James
Senior Assistant Chief Accountant
Office of Electronics and Machinery