



DIVISION OF
CORPORATION FINANCE

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

Mail Stop 3030

March 24, 2009

Adrian T. Dillon
Chief Financial Officer
Agilent Technologies, Inc.
5301 Stevens Creek Blvd.
Santa Clara, California 95051

RE: Agilent Technologies, Inc.
Form 10-K for the fiscal year ended October 31, 2008
Filed December 19, 2008
File No. 001-15405

Dear Mr. Dillon:

We have completed our review of your Form 10-K and related filings and do not, at this time, have any further comments.

Sincerely,

Brian Cascio
Accounting Branch Chief