



DIVISION OF
CORPORATION FINANCE

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

August 6, 2010

Mr. Jeff Killian
Chief Financial Officer
Cascade Microtech, Inc.
2430 NW 206th Avenue
Beaverton, Oregon 97006

**Re: Cascade Microtech, Inc.
Form 10-K
Filed March 2, 2010
File No. 000-51072**

Dear Mr. Killian:

We have completed our review of your filings and do not have any further comments at this time.

Sincerely,

Brian Cascio
Accounting Branch Chief