



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

DIVISION OF
CORPORATION FINANCE

April 5, 2011

Mr. Peter Riehl
Chief Executive Officer
Stellar Pharmaceuticals, Inc.
544 Egerton
St London, Ontario, Canada N58 3Z8

Re: Stellar Pharmaceuticals, Inc.
Form 10-K for the Year Ended December 31, 2009
Filed March 30, 2010
File No. 000-31198

Dear Mr. Riehl:

We have completed our review of the above referenced filing and have no further comments at this time.

Sincerely,

Melissa N. Rocha
Branch Chief