



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

DIVISION OF
CORPORATION FINANCE

Mail Stop 3030

December 15, 2016

Via E-mail

Roderick de Greef
Chief Financial Officer
BioLife Solutions, Inc.
3303 Monte Villa Parkway, Suite 310
Bothell, Washington 98021

**Re: BioLife Solutions, Inc.
Form 10-K for the Fiscal Year Ended December 31, 2015
Filed February 25, 2016
File No. 001-36362**

Dear Mr. de Greef:

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