



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