

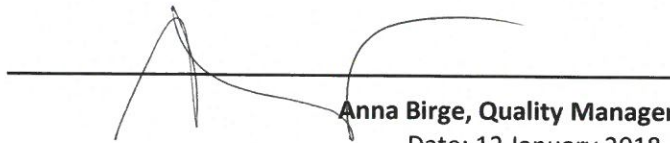
Certificate of Analysis

Product Name	AstaReal® L10		
Description	Natural Astaxanthin Complex	Date of Manufacture	08 January 2018
Lot Number	T1801054	Expiration Date	07 January 2021

Analysis	Specification	Result
Appearance	Dark Red Oil	Dark red oil
Astaxanthin Content* (HPLC method)	NLT 10.0 % (As Astaxanthin free form)	11.0%
Moisture*	Less than 5.0 %	0.11%
Standard Plate Count*	Less than 1000 cfu/g	< 10cfu/g
Total Yeast*	Less than 100 cfu/g	< 10cfu/g
Total Mold*	Less than 100 cfu/g	< 10cfu/g
Total Coliforms*	Negative/g	Negative
<i>Staphylococcus</i> *	Negative/g	Negative
<i>Salmonella</i> *	Negative/g	Negative
<i>E. coli</i> *	Negative/g	Negative
Arsenic*	Less than 1 ppm	< 0.50ppm
Cadmium*	Less than 1 ppm	< 0.25ppm
Lead*	Less than 0.5 ppm	< 0.05ppm
Mercury*	Less than 1 ppm	< 0.10ppm
Total Heavy Metals**	Less than 10 ppm	< 10ppm

* USP37/NF32 method or equivalent

** Sum of Sb, As, Bi, Cd, Cu, Pb, Hg, Mo, Ag, and Sn


Anna Birge, Quality Manager
 Date: 12 January 2018



7761 Randolph Road NE, Moses Lake, WA 98837 UNITED STATES OF AMERICA

Contact: TEL +1-509-855-4370 FAX +1-509-765-9073

www.astareal.com