

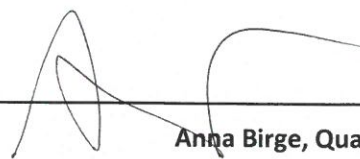
Certificate of Analysis

Product Name	AstaReal® L10		
Description	Natural Astaxanthin Complex	Date of Manufacture	01 December 2017
Lot Number	T1712053	Expiration Date	30 November 2020

Analysis	Specification	Result
Appearance	Dark Red Oil	Dark red oil
Astaxanthin Content* (HPLC method)	NLT 10.0 % (As Astaxanthin free form)	10.7%
Moisture*	Less than 5.0 %	0.18%
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	< 0.5ppm
Cadmium*	Less than 1 ppm	< 0.25ppm
Lead*	Less than 0.5 ppm	< 0.05ppm
Mercury*	Less than 1 ppm	< 0.1ppm
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: 05 December 2017



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