

# Clover Nutrition™

A Clover Leads to Natural Life [www.clovernutrition.com](http://www.clovernutrition.com)

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## Certificate of Analysis

Product Name	Astaxanthin oleoresin	Latin Name	Haematococcus pluvialis
Batch No.	CNAS160212	Mfg Date/Expi Date	Feb 12 <sup>th</sup> . 2016/Feb 12 <sup>th</sup> . 2018
Quantity	188KGS	Part Used	Whole Plant
Items	Specifications	Results	
Appearance	Dark Red Liquid Oil	Complies	
Odor/Taste	Characteristics	Complies	
Partical Size	98% through 80 meshes	100% through 80 meshes	
Loss on Drying	≤5.0%	0.06%	
Ash	≤5.0%	0.02%	
Assay(Astaxanthin)	Min 7.00% HPLC	7.15% HPLC	
Heavy Metals	≤20 ppm	Complies	
As	≤2.00 ppm	Complies	
Pb	≤2.00 ppm	Complies	
Hg	≤2.00 ppm	Complies	
Cd	≤1.00 ppm	Complies	
Pesticide Residue			
Acephate	<0.5 PPM	Complies	
Methamidophos	<0.5 PPM	Complies	
Parathion	<0.5 PPM	Complies	
PCNB	<10PPB	Complies	
Total of Plate Count	<10000CFU/g	25CFU/g	
Yeast and Mold	<1000CFU/g	12CFU/g	
Salmonella	Negative	Complies	
E.coli	Negative	Complies	
Storage/Packaging	Store in cool & dry place & Keep away from light. Storage temperature: -10℃ to 30℃. 25kg in one type cardboard drum.		
Shelf Life	24 months when properly stored		
Conclusion	CNAS160212 batch is qualified to delivery according to test report of certification of analysis.		
Report Date:	Feb 12 <sup>th</sup> . 2016	QC	He Tao