



A Clover Nutrition Inc

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No. 43, 6th Hi-Tech Road, Hi-Tech Zone, Xi'an, Shaanxi, China

Certificate of Analysis

Product Name	Astaxanthin oleoresin	Latin Name	Haematococcus pluvialis
Batch No.	CNAS160108	Mfg Date/Expi Date	Jan 08 th . 2016/Jan 07 th . 2018
Quantity	325KGS	Part Used	Whole Plant
Items	Specifications	Results	
Appearance	Dark Red Liquid Oil	Complies	
Odor/Taste	Characteristics	Complies	
Loss on Drying	≤5.0%	0.05%	
Ash	≤5.0%	0.01%	
Assay(Astaxanthin)	Min 10.00% HPLC	10.38% 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	15CFU/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	CNAS160108 batch is qualified to delivery according to test report of certification of analysis.		
Report Date:	Jan 08 th . 2016	QC	He Tao