



CERTIFICATE OF ANALYSIS

Product Name	Astaxanthin		
Botanical Name	<i>HaematococcusPluvialis</i>		
Batch Number	U-F-YSHQZ20190214	Manufacture Date	Feb.14th 2019
Country of Origin	China		
Part Used	<i>Haematococcus</i>		
Report Date	Feb.14th 2019	Expiry Date	Feb.14th 2021

Item of Analysis	Specification	Results	Test Methods
Astaxanthin	≥5%	5.65	HPLC
Organoleptic			
Appearance	Powder	Conforms	Organoleptic
Color	Purple red	Conforms	Organoleptic
Odor	Characteristic	Conforms	CP2010
Taste	Characteristic	Conforms	CP2010
Physical Characteristics			
Particle Size	100% pass 80 mesh	Conforms	CP2010
Loss on drying	5%NMT (%)	3.32%	USP<731>
Total ash	5%NMT (%)	2.63%	USP<561>
Bulk Density	40-50g/100mL	Conform	CP2010IA
Residue of Solvents	None	Conform	NLS-QCS-1007
Heavy metals			
Total Heavy Metals	10ppm Max	Conform	USP<231>method II
Lead (Pb)	2ppm NMT	Conform	ICP-MS
Arsenic (As)	2ppm NMT	Conform	ICP-MS
Cadmium (Cd)	2ppm NMT	Conform	ICP-MS
Mercury (Hg)	1ppm NMT	Conform	ICP-MS
Microbiological Tests			
Total Plate Count	1000cfu/g Max	Conform	USP<61>
Yeast & Mold	100cfu/g Max	Conform	USP<61>
E. Coli.	Negative	Conform	USP<61>
Salmonella	Negative	Conform	USP<61>
Staphylococcus	Negative	Conform	USP<61>

Storage: Store in tight, light-resistant containers, avoid exposure to direct sunlight, moisture and excessive heat.

Shelf Life: 24 months if store under the conditions above and stay in original packaging

QC:ZHAOTING

QA: HOU XUEHUI

