



XI'AN GREEN SPRING TECHNOLOGY CO., LTD.

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## CERTIFICATE OF ANALYSIS

**Product Name:** Astaxanthin Oleoresin  
**Description:** Red or dark red oily viscous liquid  
**Source:** Haematococcus pluvialis  
**Identification:** Passes all criteria tests  
**Batch No. :** 230218  
**Batch quantity:** 400kgs  
**Analysis Date:** Feb 21, 2023

Item	Specification	Results
Assay of Total Astaxanthin (HPLC)	≥5.00%	5.13%
Odour	Seaweed freshness	Complies
Loss on drying	≤5.00%	0.09%
Ash	≤5.00%	0.05%
Heavy metal (as Pb)	≤10ppm	Complies
Arsenic	≤1ppm	Complies
Lead	≤1ppm	Complies
Cadmium	≤1ppm	Complies
Mercury	≤0.5ppm	Complies
Residual Solvents	Eur, Pharm	<100ppm
Pesticide Residues	Eur. Pharm	Complies
<b>Microbial Test</b>		
Total aerobic microbial count	≤1000cfu/g	Complies
Moulds & yeasts	≤100cfu/g	Complies
*Salmonella	Negative	Complies
*Escherichia coli	Negative	Complies
*Staphylococcus aureus	Negative	Complies

**Storage** Cool & dry place, Do not freeze. Keep away from strong light and heat.  
**Shelf** 2 year when properly stored.

