



XI'AN GREEN SPRING TECHNOLOGY CO., LTD.

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## CERTIFICATE OF ANALYSIS

**Product Name:** Astaxanthin  
**Description:** Red or dark red powder  
**Origin of H.P** China  
**Identification:** Passes all criteria tests  
**Batch No** 200506  
**Batch quantity** 1000kg  
**Analysis Date:** May 08, 2020

Item	Specification	Results
Assay of total Astaxanthin (HPLC)	$\geq 2.00\%$	2.12%
Odour	Seaweed freshness	Complies
Loss on drying	$\leq 5.00\%$	3.14%
Ash	$\leq 5.00\%$	1.24%
Heavy metal (as Pb)	$\leq 10\text{ppm}$	Complies
Arsenic	$\leq 1\text{ppm}$	Complies
Lead	$\leq 1\text{ppm}$	Complies
Cadmium	$\leq 1\text{ppm}$	Complies
Mercury	$\leq 0.5\text{ppm}$	Complies
<b>Microbial Test</b>		
Total aerobic microbial count	$\leq 10000\text{cfu/g}$	Complies
Moulds & yeasts	$\leq 50\text{cfu/g}$	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.

