

## **Certificate of Analysis**

Astaxanthin

Brand Name :Biochempartner Source: haematococcus pluvialis

M.Wt: 596.85

Formula: C40H52O4 Solubility: DMSO Purity: >98%

Storage: at -20°C 2 years

CAS No.:97985-66-5 Batch NO: 20120822

Batch Quantity: 500kg

Manufacture Date: Aug 22 ,2012 Analysis Date: Aug 22 ,2012 Certificate Date: Aug 22 ,2012 Expiration Date: Aug 21 ,2014

Item	Specification	Results
Assay by HPLC	≥10%	10.68%
Appearance	Dark violet powder	Conforms
Odor & taste	Odorless with slight seaweed flavor	Conforms
Mesh size	100% pass 80mesh	Conforms
Solubility	Insoluble in water, soluble in many of	Conforms
Loss on drying %	organic solvents	≤3.0%
Heavy metals PPM	<10ppm	Conforms
Microbiology		
Total Plate Count	<1000cfu/g	118cfu/g
Yeast & Mold	<100cfu/g	14cfu/g
E.Coli	Negative	Conforms
S. Aureus	Negative	Conforms
Salmonella	Negative	Conforms

Note: Products protected by valid patents are not offered for sale in countries where the sale of such products constitutes a patent infringement and its liability is at buyer's risk. This item is only for R&D purpose not for commercial business in kilos. Buyers should overview the patent issue in their countries.

Packing description	Sealed export grade drum & double of
	sealed plastic bag
Storage	$4^{\circ}\mathbb{C}_{}^{\circ}$ or below. Keep sealed when not
	in use
Shelf life	2 years when properly stored

Conclusion: Complies with In-house standard.

QA manager :kexianxun

For and on behalf of
SHANGHAI BIOCHEMPARTNER CO., LIMITED

Authorized Signature(s)



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