

PRODUCT SPECIFICATION

INCI/Botanical Name	HAEMATOCOCCUS PLUVIALIS	Date of Expiry	03 Years
Product Name	Astaxanthin	Extraction Solvent	---
Report No	A/HOP/092387/23	Extraction Ratio	---
Parts of Plant	Algae	Source	Botanical
Cas No	472-61-7	HSN Code	32030090

TEST	SPECIFICATION	METHOD
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A. Physical Parameters:

Appearance	Homogeneous fine powder	Organoleptic
Colour	Dark red color	Organoleptic
Odour	Characteristic smell of algae	Organoleptic
Taste	Characteristic	Organoleptic
Identification	Positive	USP
Loss on Drying (At 105°C)	NMT 5.0% w/w	USP 731
pH	Between 4.0 to 6.0	USP 791
Bulk Density		
Tapped	NLT 0.40 g/ml	USP 616
Untapped	NLT 0.30 g/ml	USP 616
Particle Size (40 Mesh)	NLT 95% w/w	USP 786

B. Active Ingredients:

Astaxanthin	NLT 5.0% w/w	UV
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C. Heavy Metals:

Total Heavy Metals	NMT 10.0 ppm	ICP-MS
Lead (PB)	NMT 3.0 ppm	ICP-MS
Arsenic (AS)	NMT 2.0 ppm	ICP-MS
Cadmium (CD)	NMT 1.0 ppm	ICP-MS
Mercury (HG)	NMT 0.5 ppm	ICP-MS

D. Microbiological Test:

Total Viable Aerobic Count	NMT 1000 cfu/gm	USP 2021
Total Fungus Count	NMT 100 cfu/gm	USP 2021
Bile Tolerant Gram Negative Bacteria	NMT 100 cfu/gm	USP 2021
Salmonella	Negative/10 g	USP 2022
Escherichia Coli	Negative/ g	USP 2022
S. Aureus	Negative/ g	USP 2022

E. Mycotoxin:

Aflatoxins (B1+B2+G1+G2)	---	USP 561
Pesticides	---	USP 561

F. Other:

Standard Packing: 25 Kg in single HDPE Container.

The material is free from Allergens / GMO / BSE - TSE.

The material is not tested on animals.

The material is non-irradiated & not treated with ETO.

The above material complies with in-house specifications.

Store in a cool and dry place away from sunlight and heat. The preferred storage is below 30 ° C.

The Product Is of Herbal Origin. There May Be Minor Color Difference Due to Geographical and Seasonal Variation of the Plant Material.

Note: This Is Computer Generated Specification & Does Not Require A Physical Signature.

