

BaseBulk

CERTIFICATE OF ANALYSIS

Product Name	Astaxanthin
Batch Number	25031633
Country of Origin	China
Manufacture Date	Mar. 16, 2025
Expiry Date	Mar. 15, 2028
Shelf Life	Three years when properly stored.

Physical & Chemical Characteristics

Analysis Item	Specification	Result
Appearance	Brownish-violet free flowing particles	Complies
Odor	Characteristic	Complies
Taste	Characteristic	Complies
Loss on drying	$\leq 8.0\%$	3.18%
Particle size	98% pass 80 mesh	Complies

Heavy Metals

Analysis Item	Specification	Result
Heavy metals	≤ 10 ppm	Complies
Arsenic (As)	≤ 2 ppm	Complies
Cadmium (Cd)	≤ 1 ppm	Complies
Lead (Pb)	≤ 2 ppm	Complies
Mercury (Hg)	≤ 0.5 ppm	Complies

Assay

Analysis Item	Specification	Result
Total Astaxanthin	$\geq 10.0\%$	10.12%

Microbiological Tests

Analysis Item	Specification	Result
Total microbacterial count	≤ 10000 CFU/g	Complies

Yeast & Mould	≤1000 CFU/g	Complies
Escherichia coli presence	Negative	Negative
Salmonella	Negative	Negative

Packaging & Storage

Packaging	Pack in paper-drums and two food grade poly-bags inside
Storage	Store in a well closed place with constant low temperature and no direct sun light

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