



# Bulk Naturals Wholesale LLC

**bulknaturalswholesale.com**

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## ASTAXANTHIN (10%) POWDER - WATER SOLUBLE

### CERTIFICATE OF ANALYSIS

LOT: BN202401081/BE

**Manufacture Date:** January 8, 2024

**Expiration Date:** January 7, 2026

**QA Signature:** Steven Konert

Specification	Parameter	Result
Appearance	Dark red powder	10.23%
Assay	10.0%	Complies
Odor & taste	Odorless with skight seaweed flavor	Complies
Cyst rupture efficiency	90.0% < Avail.Asta/Total Asta <100.0%	93.0%
Water content in dry biomass	0% < water content 7.0%	2.3%
Heavy Metal (as Pb)	≤ 10 ppm	Complies
Solubility	Insoluble in water, soluble in many of organic solvents	Complies
Arsenic (As)	≤ 5.0 mg/kg	Complies
Lead (Pb)	≤ 10.0 mg/kg	Complies
Mercury (Hg)	≤ 1.0 mg/kg	Complies
Total Plate Count	≤ 3*10 <sup>4</sup> cfu/g	< 3000
Total Coliforms	MPN 30 /100g	< 30
Molds	≤ 300 cfu/g	< 100
Salmonella	Absence	Negative
Loss on drying %	≤ 3.0%	1.28%
Conclusion	Complies with specifications	

Shelf life is guaranteed for two years from the date of production if the product is stored in the unopened original container between 15°C - 30°C, protected from light. Containers that have been opened should be tested at least yearly to ensure potency. Although Bulk Naturals Wholesale LLC. believes the above information to be accurate based on the information available to Bulk Naturals, it is the responsibility of the customer and user of the material to perform its own investigation and due diligence prior to using to verify that the product purchased from Bulk Naturals meets their quality requirements and is appropriate for the use to which the product is to be put. The information provided above shall be considered effective only for the lot with which the information is being provided. Use and purchase of this material are subject to Bulk Naturals Wholesale LLC. standard terms and conditions, which supersede any conflicting terms contained on the Buyer's purchase order or any document or instrument supplied by the Buyer.