



Bulk Naturals Wholesale LLC

bulknaturalswholesale.com

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ASTAXANTHIN (10%) POWDER- WATER SOLUBLE

CERTIFICATE OF ANALYSIS

LOT: BN240510/BE

Manufacture Date: May 10, 2022

Expiration Date: May 9, 2024

QA Signature: Steven Konert

Specification	Parameter	Result	Method
Physical and Chemical Property			
Appearance	Dark red powder.	Conforms	Visual
Particle size	≥ 95% through 80 mesh	Conforms	Screening
Residue on Ignition	≤ 5g/100g	3.68g/100g	3g/550°C/4hrs
Loss on Drying	≤ 5g/100g	3.91g/100g	3g/105°C/2hrs
Identification	Conforms with TLC	Conforms	TLC
Astaxanthin	≥ 10.0%	10.2%	HPLC
Residue Analysis			
Heavy Metals	≤ 10mg/kg	Conforms	ICP-MS
Lead (Pb)	≤ 1.00mg/kg	Conforms	ICP-MS
Arsenic (As)	≤ 1.00mg/kg	Conforms	ICP-MS
Cadmium (Cd)	≤ 1.00mg/kg	Conforms	ICP-MS
Mercury (Hg)	≤ 0.50mg/kg	Conforms	ICP-MS
Microbiological Tests			
Total Plate Count	≤ 1000cfu/g	200cfu/g	AOAC 990.12
Total Yeast & Mold	≤ 100cfu/g	10cfu/g	AOAC 997.02
E.Coli.	Negative/10g	Conforms	AOAC 991.14
Salmonella	Negative/10g	Conforms	AOAC 998.09
S.aureus	Negative/10g	Conforms	AOAC 2003.07
Product Status			
Conclusion	Sample Qualified		
Storage	Store in a cool, dry place away from Moisture, Light.		

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.