



Bulk Naturals Wholesale LLC

bulknaturalswholesale.com

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BLUE SPIRULINA (PHYCOCYANIN) E18

CERTIFICATE OF ANALYSIS

LOT: BN2303302/BE

Manufacture Date: March 20, 2023

QA Signature: Steven Konert

Expiration Date: March 20, 2025

Specification	Parameter	Result	Test Method
Appearance	Dark blue free flowing powder.	Conforms	Visual
Identification	Complied to Standard	Complied to Standard	UV Spectrum Method
Sensory	Characteristic	Conforms	Smell
Solubility	Water Soluble	Conforms	Visual
Ash	≤8.0%	6.4%	GB 5009.4-2016
Loos on Drying	≤8.0%	6.3%	GB 5009.3-2016
Color Value (10% E618na)	≥180unit	184unit	UV Method
Particle Size	95% through 80 mesh	95% through 80 mesh	AOAC 973.03
Heavy Metals			
Inorganic Arsenic	≤0.5 ppm	Conforms	ICP/MS or AAS
Lead	≤0.5 ppm	Conforms	ICP/MS or AAS
Cadmium	≤0.1ppm	Conforms	ICP/MS or AAS
Mercury	≤0.1ppm	Conforms	ICP/MS or AAS
Polycyclic Aromatic Hydrocarbons(PAH)			
PAH 4	<25ppb	Conforms	GS-MS
Benzo(a)pyrene	<5 ppb	Conforms	GS-MS
Microbiological Tests			
Aerobic Plate Count	≤1,000 cfu/g	320cfu/g	GB4789.2-2016
Yeast & Mold	≤100cfu/g	10cfu/g	FDA BAM 7th ed.
Coli- group	≤10cfu/g	10cfu/g	AOAC 966.24
E.Coli.	Negative/10g	Negative	USP<2022>
Salmonella	Negative/10g	Negative	USP<2022>
Bacillus cersus	≤100 cfu/g	Negative	USP<2022>
Staphylococcus aureus	Negative/10g	Negative	USP<2022>
Aflatoxins (B1+B2+G1+G2)	<20 ppb	Conforms	HPLC
Aflatoxin B1	<5ppb	Conforms	HPLC
Microcystins	<1ppb	Conforms	HPLC

Storage Condition: Store in tightly closed container and keep in a cool dry area. Keep away from strong direct 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 use 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 is subject to Bulk Naturals Wholesale LLC. standard terms and conditions, which supersede any conflicting terms contained on Buyer's purchase order or any document or instrument supplied by Buyer.