



Bulk Naturals Wholesale LLC

bulknaturalswholesale.com

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BILBERRY BOTANICAL EXTRACT POWDER

CERTIFICATE OF ANALYSIS

LOT: BN211101/BE

Manufacture Date: November 1, 2021

QA Signature: Steven Konert

Expiration Date: October 31, 2023

Specification	Parameter	Test Method	Result
Ratio	10:1	TLC USP<201>	10:1
Identification	Correspond to Standard	TLC USP<201>	Conform
Physical Characteristics			
Particle Size	NLT 98% Through 80 mesh	Analytical sieving USP <786>	100.00%
Loss on Drying	NMT 5.0 %	USP <731>	3.42%
Total Ash	NMT 5.0 %	USP <561>	1.07%
Bulk Density	Between 0.30~0.80 g/ml	USP <616> Method I	Conform
Chemical Characteristics			
Heavy Metals(as Pb)	NMT 10 ppm	USP <231> Method II	< 10 ppm
Arsenic (As)	NMT 2 ppm	ICP-MS USP <233>	< 2 ppm
Lead (Pb)	NMT 2 ppm	ICP-MS USP <233>	< 2 ppm
Cadmium(Cd)	NMT 1 ppm	ICP-MS USP <233>	< 0.5 ppm
Mercury(Hg)	NMT 1 ppm	ICP-MS USP <233>	< 1 ppm
Microbiological Characteristics			
Total Plate Count	NMT 10,000 cfu/g	USP<61>	200 cfu/g
Total Yeast & Mold	NMT 1,000 cfu/g	USP<61>	10 cfu/g
E. Coli	Not Detected in(g) 10	USP<62>	Not Detected
Salmonella	Not Detected in(g) 25	USP<62>	Not Detected
Storage	Store in tight, light-resistant containers, avoid exposure to direct sunlight, moisture and excessive heat.		

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 Buyer.