



Bulk Naturals Wholesale LLC

bulknaturalswholesale.com

212 N Jefferson Unit 12A Ava, Mo 65608, USA / Phone: 1-573-465-0612

95% CURCUMIN EXTRACT OF TURMERIC WITH PIPERINE PURE

CERTIFICATE OF ANALYSIS

LOT: BN230601/BE

Manufacture Date: June 1, 2023

QA Signature: Steven Konert

Expiration Date: May 31, 2026

Specification	Parameter	Result	Method
Curcuminoids (on the dried basis)	NLT 95.0%	95.82%	HPLC USP<621>
Identification	Correspond to standard	Conform	TLC USP<201>
Physical Characteristic			
Solubility	Insoluble in water	Conform	Organoleptic
Particle Size	NLT 95.0% Through 40 mesh	99.20%	Analytical sieving USP<786>
Loss on Drying	NMT 5.0%	1.33%	USP<731>
Total Ash	NMT 5.0%	1.60%	USP<561>
Bulk Density	Between 0.30 - 0.50 g/ml	0.42 g/ml	USP<616> Method I
Tapped Density	Between 0.40 - 0.80 g/ml	0.57 g/ml	USP<616> Method I
Chemical Characteristics			
Benzo(a)pyrenes (BAP)	NMT 10 ppb	Conform	EU 76/769/EEC
Sum of PAHs (PAH)	NMT 50 ppb	Conform	EU 76/769/EEC
Residual Solvent	NMT 5000 ppm	Conform	GC USP<467>
Arsenic (As)	NMT 1 ppm	< 0.04 ppm	ICP-MS USP<233>
Lead (Pb)	NMT 1 ppm	< 0.06 ppm	ICP-MS USP<233>
Cadmium(Cd)	NMT 1 ppm	< 0.03 ppm	ICP-MS USP<233>
Mercury(Hg)	NMT 0.1 ppm	< 0.02 ppm	ICP-MS USP<233>
Microbiological Tests			
Total Plate Count	NMT 10,000 cfu/g	≤ 1000 cfu/g	USP<61>
Total Yeast & Mold	NMT 1000 cfu/g	≤ 100 cfu/g	USP<61>
Escherichia Coli	Not detected in (g) 10	Not detected	USP<62>
Salmonella	Not detected in (g) 25	Not detected	USP<62>
Staphylococcus aureus	Not detected in (g) 10	Not detected	USP<62>
Pseudomonas aeruginosa	Not detected in (g) 10	Not detected	USP<62>
Storage	Store in tight, light-resistant containers and keep in a cool, dry and well-ventilated place. Keep always from strong direct light sunlight, moisture and excessive heat.		

Shelf life is guaranteed for three 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.