



Bulk Naturals Wholesale LLC

bulknaturalswholesale.com

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B-NICOTINAMIDE MONONUCLEOTIDE B-NMN (NAD+ PRECURSOR)

CERTIFICATE OF ANALYSIS

LOT: BN20230920/CA

Manufacture Date: September 23,2023

QA Signature: Steven Konert

Expiration Date: September 22, 2025

Specification	Parameter	Results	Method
Active Ingredients			
Assay (w/w HPLC)	95.0% - 100.0%	99.9%	HPLC
Purity	NLT 99.0%	99.8%	HPLC
Physical Control			
Appearance	White to off white powder	Conform	Visual
Identification	Conform to the RT of standard	Conform	Visual
Color	White	Conform	Visual
Odor	Charateristic	Conform	Organoleptic
Loss on Drying	NMT 0.5%	0.11%	USP<731>
Mesh Size	95.0% pass 40 mesh	98.0%	40 mesh screen
Chemical Control			
Total Heavy Metals	NMT 10 ppm	Conform	USP<731>
Arsenic (As)	NMT 0.5 ppm	< 0.05	ISP-MS
Mercury (Hg)	NMT 0.1 ppm	< 0.005	AAS
Cadmium (Cd)	NMT 0.5 ppm	< 0.01	ICP-MS
Lead (Pb)	NMT 0.5 ppm	< 0.5	ICP-MS
Ethanol (by GC)	NMT 0.5%	0.01%	GC-MS
Microbiological Tests			
Total Plate Count	NMT 1000cfu/g	50cfu/g	USP<2021>
Total Yeast & Mold	NMT 100cfu/g	10cfu/g	USP<2021>
E.Coli	Negative	Negative	USP<2022>
Staphylococcus aureus	Negative	Negative	USP<2022>
Salmonella	Negative	Negative	USP<2022>
Storage	Keep dry and away from light, long term storage at -25°C to -15°C		

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.