



Certificate of Analysis

Product name	Beta-Nicotinamide Mononucleotide (NMN)	Product type	G3: High bulk density (0.60-0.80 g/ml) for tablet, capsule form
Batch No	NMN260203	CAS No.	1094-61-7
Mfg date	22 Feb 2026	Country of Origin	P.R. China
Packaging	Paper carton with two plastic bags inside		

Item	Specification	Result	Test method
Active Ingredient			
Assay (% on dry basis)	99.00% - 102.00%	99.36%	HPLC
Purity	NLT 99.00%	99.96%	HPLC
Excipient impurities	PVP Free	Negative	GC
Physical Control			
Identification - 1H NMR	1H NMR spectra correspond to reference standard	Conforms	1H NMR
Identification - 13C NMR	13C NMR spectra correspond to reference standard	Conforms	13C NMR
Identification - LC-MS	LC-MS retention time and m/z correspond to reference standard	Conforms	LC-MS
Appearance	White to off-white crystalline powder	Conforms	Visual
Odor & taste	Characteristic	Conforms	Organoleptic
Appearance of solution	5% w/v in water: Colorless to pale yellow and clear	Conforms	Organoleptic
Sodium Content	NMT 1.0%	Conforms	GB5009.268-2025
Water Content	NMT 1.0%	0.04%	Karl Fischer
pH (1.0 g/100 mL/25 C)	3.0 - 4.5	3.72	ChP2020
Bulk Density	0.60 - 0.80 g/ml	0.74 g/ml	USP-NF 2024
Residue Solvents	Ethanol: NMT 500 ppm	41 ppm	USP-NF 2024
Chemical Control			
Arsenic (As)	NMT 0.5 ppm	Conforms	ICP-MS
Cadmium (Cd)	NMT 0.5 ppm	Conforms	ICP-MS
Lead (Pb)	NMT 0.5 ppm	Conforms	ICP-MS
Mercury (Hg)	NMT 0.1 ppm	Conforms	ICP-MS
Microbiological Control			
Total Plate Count	NMT 1000 CFU/g	<10 CFU/g	USP-NF 2024
Yeast & Mold	NMT 100 CFU/g	<10 CFU/g	USP-NF 2024
Salmonella	Negative	Negative	USP-NF 2024
E. coli	Negative	Negative	USP-NF 2024
Staphylococcus aureus	Negative	Negative	USP-NF 2024
Pseudomonas aeruginosa	Negative	Negative	USP-NF 2024
Bile-tolerant Gram Negative Bacteria	Negative	Negative	USP-NF 2024
Candida albicans	Negative	Negative	USP-NF 2024
Clostridia	Negative	Negative	USP-NF 2024
Coliforms	NMT 0.92 MPN/g	<0.3 MPN/g	GB4789.3

Conclusion	Conforms to the stated specifications.
Storage	Store in a well-sealed container, away from moisture and direct sunlight, and not above 25 C.

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