Chengdu PNP Biotech Co., Ltd.

No. 13, South Section 1, Second Ring Road
Suite 709, Wuhou District, Chengdu
Sichuan 610041, P.R. China
info@pnpbiotech.com
www.pnpbiotech.com

SPECIFICATION SHEET

β-Nicotinamide Mononucleotide 99.0%

Product Name	β-Nicotinamide Mononucleotide	**CAS No.**	1094-61-7
Molecular Formula	C11H15N2O8P	**Molecular Weight**	334.22

Test Item	Specification	Test Method
Appearance	White to off-white crystalline powder	Visual
Odor & Taste	Characteristic	Organoleptic
Identification (NMR)	Corresponds to RS	1H NMR
Identification (HPLC)	Corresponds to RS	HPLC
Appearance of Solution	Clear and colorless (0.1 g/ml)	Visual
Purity	≥ 99.0%	HPLC
Assay (on dried basis)	98.0% - 101.0%	HPLC
pH (1 in 10)	3.0 - 4.5	USP<791>
Loss on Drying	≤ 0.5%	USP<731>
Bulk Density	0.60 ± 0.05 g/ml	Gravimetric
Residual Solvents	Meet USP Requirements	USP<467>
Lead (Pb)	≤ 0.5 ppm	ICP-MS
Arsenic (As)	≤ 0.5 ppm	ICP-MS
Cadmium (Cd)	≤ 0.5 ppm	ICP-MS
Mercury (Hg)	≤ 0.1 ppm	ICP-MS
Standard Plate Count	≤ 1,000 cfu/g	USP<2021>
Yeast & Mold	≤ 100 cfu/g	USP<2021>
Total Coliforms	≤ 100 cfu/g	USP<2021>
Salmonella (in 25g)	Negative	USP<2022>
E. coli (in 10g)	Negative	USP<2022>
S. aureus (in 10g)	Negative	USP<2022>

Storage: Store in tightly sealed and preferably full containers in cool, dry and ventilated area.

Shelf Life: 24 months under above conditions, and kept in its unopened original packaging.

Prepared by: Mia Yu Approved by: Charlie Wang Date: Nov. 06, 2026