

CERTIFICATE OF ANALYSIS

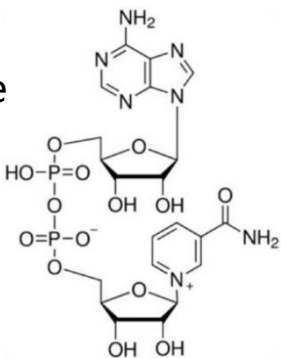
[Common Name]: NAD⁺, β-NAD⁺

[Chemical Name]: β-Nicotinamide adenine dinucleotide hydrate

[CAS NO.]: 53-84-9

[Formula]: C₂₁H₂₇N₇O₁₄P₂ · xH₂O

[Storage]: Keep dry, away from light, and store at 2°C to 8°C



Batch NO. : 20250106 Batch Size :200 kg Reporting Date:2025/01/06

Production Date :2025/01/01 Expiry Date :2027/01/01

Test items	Specification	Result
Appearance	White to off-white crystalline powder	Off-white crystalline powder
Purity(HPLC)	≥ 99.0%	99.8%
Content (enzyme.)(Calc. on dry basis)	≥ 99.0%	99.5%
Water contents	≤ 8.0%	6.9%
pH value in water(100 mg/ml)	2.5-3.5	3.0
Organic solvents(GC)	≤ 1 %	<0.1%
Sodium content	≤ 1 %	<0.01%
Cadmium content	≤ 0.1 ppm	N.D.
Lead content	≤ 0.5 ppm	N.D.
Mercury content	≤ 0.1 ppm	N.D.
Total microbial count	≤ 500 CFU/g	< 10

Conclusion : Conformable to all requested specifications.