Certificate of Analysis

Product Name:	NAD+ (Specification 500mg)		
CAS No.:	53-84-9	**Lot No.**:	NAD-20260609F
Molecular Formula:	$C_{21}H_{27}N_7O_{14}P_2$	**Manufacturing Date**:	2026.06.09
Molecular Weight:	663.43	**Retest Date:**	2027.06.09
Store at:	Lyophilized bulk powder: Store at ≤ -20°C, protected from light & moisture Reconstituted solution: Store at 2–8°C, use within 7 day		

TEST	SPECIFICATION	RESULT
Appearance	White to off-white lyophilized powder	Conform
Purity (HPLC)	≥98.0%	99.25%
Total Related Substances (HPLC)	≤ 2.0%	0.78%
Water Content (Karl Fischer)	≤10.0%	5.9%
Organic Solvents Residue (GC)	Total ≤ 1.0%	<0.1%
Sodium Content	≤1.0%	<0.01%
Cadmium (Cd) Heavy Metal	≤0.1 ppm	N.D.
Lead (Pb) Heavy Metal	≤0.5 ppm	N.D.
Mercury (Hg) Heavy Metal	≤0.1 ppm	N.D.
Arsenic (As) Heavy Metal	≤0.3 ppm	N.D.
Total Aerobic Microbial Count	≤ 500 CFU/g	< 10 CFU/g
Yeast & Mould Count	≤ 50 CFU/g	< 10 CFU/g
Pathogens (E.coli / Salmonella / S.aureus)	Absent in 1g sample	Negative
Endotoxin (LAL Method, for injection grade)	≤10 EU/mg	< 0.8 EU/mg

Conclusion: The product conforms with enterprise standard and qualified.

QC Director: Bingqing Wang

1.The material is non-explosive, non-corrosive, non-radioactive, non-flammable, non-toxic and

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harmful, and is not a raw material for the manufacture of chemical weapons.

2.This product is a sample of chemical synthesis (not of a biological origin i.e. not of animal, human or plant origin)

3.The above material is to be used exclusively for in vitro laboratory research purposes only.

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