PURE PEPTIDES

BIOPHARMACEUTICALS

SCIENCE | QUALITY | INTEGRITY

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RESEARCH • EDUCATION • A HIGHER STANDARD

CERTIFICATE OF ANALYSIS

PRODUCT QUALITY DOCUMENTATION

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Revision	1.0

1. PRODUCT INFORMATION

Product Name	NAD+ (Nicotinamide Adenine Dinucleotide)
Product Code	PP-NAD-500
CAS Number	53-84-9
Batch Number	NAD-202-606-27
Manufacturing Date	07 May 2026
Retest Date	07 May 2028
Quantity	500 mg
Appearance (Product)	White lyophilised powder
Intended Use	For research purposes only. Not for human consumption.

NAD+

(Nicotinamide Adenine Dinucleotide)

Oxidised coenzyme

Molecular Formula: $C_{21}H_{27}N_7O_{14}P_2$
Molecular Weight: 663.4 g/mol
Compound: β-Nicotinamide adenine dinucleotide
CAS Number: 53-84-9

2. SPECIFICATIONS

Test Parameter	Specification	Method
Appearance	White lyophilised powder	Visual
Identity	Conforms to reference standard	LC-MS
Purity (HPLC)	≥ 99.2%	HPLC (UV)
NAD+ Content	≥ 98.0%	HPLC
Water Content (Karl Fischer)	≤ 5.0%	KF
Residual Solvents	Meets ICH Q3C guidelines	GC
Microbial Limit (TAMC/TYMC)	≤ 100 CFU/g / ≤ 10 CFU/g	USP <61>, <62>
Endotoxins	≤ 0.25 EU/mg	LAL
Heavy Metals (as Pb)	≤ 10 ppm	ICP-MS

3. CONCLUSION

This batch of NAD+ (Nicotinamide Adenine Dinucleotide) complies with the above product specifications.	**RESULT:**	**PASS**

4. APPROVAL

	Name	Position	Signature	Date
Prepared by	Zheng Pal	Quality Assurance	Zheng Pal	07 May 2026
Approved by	Sarah Mitchell	Quality Control	S Mitchell	07 May 2026

LAB TESTED
INDEPENDENT REPORT

QUALITY ASSURED • RESEARCH PURPOSES ONLY

This certificate relates only to the batch number stated above.
Independent laboratory documentation is supplied separately where applicable.
This product is for research purposes only. Not for human consumption.
Pure Peptides Biopharmaceuticals accepts no liability for misuse of this material.