

Certificate of Analysis

Nicotinamide Adenine Dinucleotide (NAD+) · 500 mg · Research Use Only

Product Information

Product name	NAD+ (β-Nicotinamide Adenine Dinucleotide)	Strength / fill	500 mg per sterile vial, lyophilised
Batch number	NAD-2610-001	Manufacture date	October 2026
CAS number	53-84-9	Molecular weight	663.43 g/mol
Molecular formula	C ₂₁ H ₂₇ N ₇ O ₁₄ P ₂	Appearance	White lyophilised powder
Storage	Store at −20 °C, protect from light		

Analytical Results

Test	Method	Specification	Result
Purity	HPLC-UV	≥ 99.0%	99.4%
Identity	ESI-MS	Conforms to reference	Conforms
Appearance	Visual	White lyophilised powder	Conforms
Water content	Karl Fischer	≤ 8.0%	4.2%
Acetate content	Ion chromatography	≤ 15.0%	9.8%
Residual solvents	GC headspace	Meets ICH Q3C	Conforms
Bacterial endotoxins	LAL	< 10 EU/mg	< 1.0 EU/mg

Conclusion

The above batch conforms to the established specification for identity, purity and quality. Results relate only to the batch tested.

Verification

Analytical testing performed by Marfleet Analytical Services Ltd, an independent UK analytical laboratory. This provisional certificate is issued by NXT Gen Research pending receipt of the final laboratory report and will be superseded by it.

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This product is supplied strictly for in-vitro laboratory research. It is not a medicine, food supplement or cosmetic, and must not be administered to humans or animals. Test results confirm identity and purity of the batch for research purposes only.