

Chem-Impex International, Inc.

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Certificate of Analysis

Lot Number	002162-006702
Product	β-Nicotinamide adenine dinucleotide, free acid β -NAD, free acid
CAS Number	53-84-9
Molecular Formula	$C_{21}H_{27}N_7O_{14}P_2$
Molecular Weight	663.4

Appearance	White powder
Water Content (Karl Fisher)	8.3%
UV Ratios	Ratio at pH 7.5 : A250/A260: 0.83 A280/A260: 0.20
Purity	99.9% (Enzymatic method)
Grade	Grade I, suitable for cell
Application	Keep container tightly closed in a dry and well-ventilated place.
Storage	Store at ≤ -20 °C
Additional Information	NAD ⁺ Content : 91.6% Spectral analysis: ϵ 260 nm and pH 7.5: 17.5×10^3 L/mole/cm ϵ 340 nm and pH 10: 6.3×10^3 L/mole/cm Ratio when reduced with alcohol dehydrogenase at pH 10 : A340/A260: 0.44
Remarks	See material safety data sheet for additional information For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager