

Chem-Impex International, Inc.

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Certificate of Analysis

Catalogue Number	42095
Lot Number	002162-001101
Product	b-Nicotinamide adenine dinucleotide sodium b-DPN Diphosphopyridine nucleotide
CAS Number	20111-18-6
Molecular Formula	C ₂₁ H ₂₆ N ₇ NaO ₁₄ P ₂ •xNa
Molecular Weight	685.41
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Synonym 3	NAD
Synonym 4	Nadide
Appearance	White to off-white powder
Cation	Sodium : 2.9%
Water Content (Karl Fisher)	3.3%
UV Ratios	Ratio at pH 7.5 : A250/A260 : 0.83 A280/A260 : 0.20 Ratio when reduced with alcohol dehydrogenase at pH 10 A340/A260 : 0.43
Assay	92.7% (NAD+ contents)
Purity	98.8%
Storage	Store at ≤ -10 °C
Additional Information	Spectral Analysis : 1. ϵ at 260 nm and pH 7.5 : 17.8 x 10 ³ L/mol/cm 2. ϵ when reduced with alcohol dehydrogenase at 340 nm and pH 10 (6.2 x 10 ³ L/mol/cm)

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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