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Product Specifications

Catalogue Number	42095
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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Appearance	White to off-white powder
Cation	Sodium : 3 ± 0.5%
Water Content (Karl Fisher)	≤ 8%
UV Ratios	Ratio at pH 7.5 : A250/A260 : 0.83 ± 0.03 A280/A260 : 0.21 ± 0.02 Ratio when reduced with alcohol dehydrogenase at pH 10 A340/A260 : 0.43 ± 0.01
Assay	≥ 92% (NAD ⁺ content)
Purity	≥ 98%
Storage	Store at ≤ -10 °C
Additional Information	Spectral Analysis : 1. e at 260 nm and pH 7.5 : (18 ± 0.5) x 1000 L/mol/cm 2. e when reduced with alcohol dehydrogenase at 340 nm and pH 10 (6.3 ± 0.2) x 1000 L/mol/cm

For Laboratory Use Only