

Certificate of Analysis

Product Name:

β-Nicotinamide adenine dinucleotide hydrate - ≥96.5% (HPLC), ≥96.5% (spectrophotometric assay), from yeast

Product Number:

N7004

Batch Number:

SLCN5654

Brand:

SIAL

MDL Number:

MFCD00036253

Formula:

C₂₁H₂₇N₇O₁₄P₂ * x H₂O

Formula Weight:

663.43 g/mol

Storage Temperature:

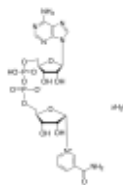
Store at -20 °C

Quality Release Date:

03 NOV 2022

Recommended Retest Date:

NOV 2024



Test	Specification	Result
Appearance (Color)	White to Off White	White
Appearance (Form)	Powder	Powder
Solubility (Color)	Colorless to Faint Yellow	Colorless
Solubility (Turbidity)	Clear	Clear
50 mg/mL, H ₂ O		
¹ H NMR Spectrum	Conforms to Structure	Conforms
Water (by Karl Fischer)	≤ 10 %	8 %
Acetone	≤ 3 %	< 0 %
By GC		
Spectrophotometric Purity	≥ 96.5 %	98.1 %
(dry basis)		
Purity (HPLC)	≥ 96.5 %	98.6 %

Brian Dulle, Supervisor

Quality Assurance

St. Louis, Missouri US

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

