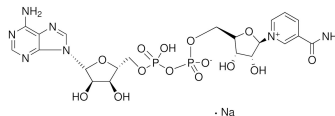


# Certificate of Analysis

**Product Name :**  $\beta$ -Nicotinamide adenine dinucleotide sodium salt  
**Product Number :** N0632-VAR  
**Batch Number :** 0000446824  
**Source Batch :** 0000382659  
**CAS Number :** 20111-18-6  
**MDL Number :** MFCD00148917  
**Storage Temperature :** -20°C  
**Molecular Formula :** C<sub>21</sub>H<sub>26</sub>N<sub>7</sub>NaO<sub>14</sub>P<sub>2</sub>  
**Formula Weight :** 685.41 g/mol  
**Recommended Retest Date :** Oct 2027  
**Quality Release Date :** 22 Oct 2024



Test	Specification	Result
Appearance (Color)	White to Off White	Off White
Appearance (Form)	Powder	Powder
Solubility (Color)	Colorless to Faint Yellow	Colorless
Solubility (Turbidity)	Clear	Clear
50 mg/mL, H <sub>2</sub> O		
Water (by Karl Fischer)	≤ 10 %	5 %
Solvent Content (by GC)	≤ 3 %	< 0 %
Acetone by Gas Chromatography		
Sodium	3 - 4 %	3 %
Corrected for Water and Acetone Content		
Spectrophotometric Purity	≥ 95 %	99 %
Corrected for Water and Acetone Content		
Purity (HPLC)	≥ 95 %	99 %
Purity (Enzymatic)	≥ 95 %	101 %
Corrected for Water and Acetone Content		

Jagodige Yasomanee, Supervisor

Quality Assurance

St. Louis, Dekalb

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](http://Sigma-Aldrich.com). For further inquiries, please contact Technical Service. Purchase must determine the suitability of the product for its particular use. See reverse side of website or packing slip for additional terms and conditions of sale

Version Number: 01 Doc: 1218858

Page 1 of 2



**Product** N0632-VAR  
**Batch** 0000446824

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Page 2 of 2

