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Product Specification

Product Name:

 α -Nicotinamide adenine dinucleotide - from *Saccharomyces cerevisiae*, $\leq 1\%$ β -isomer, $\geq 95\%$

Product Number:

N6754

CAS Number:

7298-93-3

MDL:

MFCD00134828

Formula:

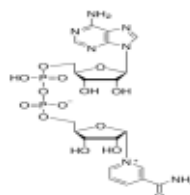
C₂₁H₂₇N₇O₁₄P₂

Formula Weight:

663.40 g/mol

Storage Temperature:

-20 °C



TEST

Specification

Appearance (Color)

White to Faint Yellow

Appearance (Form)

Powder

Solubility (Color)

Colorless to Faint Yellow

Solubility (Turbidity)

Clear

50 mg/mL, H₂O

Water (by Karl Fischer)

 $\leq 7\%$

Solvent Content (by GC)

 $\leq 5\%$

Phosphorus (Dry Basis)

8.7 - 10.0 %

EMM (dry basis)

16.3 - 17.1

Lambda Maximum of 259 nm to 261 nm in 0.1M Phosphate, pH 7.0

Purity (HPLC)

 $\geq 95\%$

Impurity

 $\leq 1\%$

Beta Isomer Impurity by HPLC

Specification: PRD.0.ZQ5.10000103013

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.

