

Certificate of Analysis

Product Name:

 β -Nicotinamide adenine dinucleotide phosphate disodium salt - $\geq 97\%$ (calc. based on dry substance, enzymatic)

Product Number:

93205

Batch Number:

BCCM9648

Brand:

SIGMA

CAS Number:

24292-60-2

Formula:

C₂₁H₂₆N₇Na₂O₁₇P₃

Formula Weight:

787,37 g/mol

Storage Temperature:

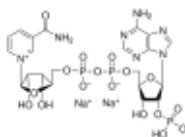
Store at -20 °C

Quality Release Date:

29 APR 2025

Recommended Retest Date:

JUN 2026



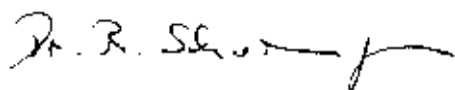
Test	Specification	Result
Appearance (Color)	White to Off White	White
Appearance (Form)	Powder	Powder
GC	Corresponds to Requirements	Corresponds
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Enzym. Assay (Result)	$\geq 97.0 \%$	97.0 %
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Water	$\leq 7.5 \%$	1.4 %
Infrared Spectrum	Conforms to Structure	Conforms
Metal Trace Analysis (ICP)	Corresponds to Requirements	Pass
Calcium (Ca)	$\leq 1000 \text{ mg/kg}$	$< 1000 \text{ mg/kg}$
Cadmium (Cd)	$\leq 5 \text{ mg/kg}$	$< 5 \text{ mg/kg}$
Cobalt (Co)	$\leq 5 \text{ mg/kg}$	$< 5 \text{ mg/kg}$
Chromium (Cr)	$\leq 5 \text{ mg/kg}$	$< 5 \text{ mg/kg}$
Copper (Cu)	$\leq 5 \text{ mg/kg}$	$< 5 \text{ mg/kg}$
Iron (Fe)	$\leq 20 \text{ mg/kg}$	$< 20 \text{ mg/kg}$
Potassium (K)	$\leq 1000 \text{ mg/kg}$	$< 1000 \text{ mg/kg}$
Magnesium (Mg)	$\leq 500 \text{ mg/kg}$	$< 500 \text{ mg/kg}$
Manganese (Mn)	$\leq 350 \text{ mg/kg}$	$< 350 \text{ mg/kg}$
Nickel (Ni)	$\leq 5 \text{ mg/kg}$	$< 5 \text{ mg/kg}$
Lead (Pb)	$\leq 10 \text{ mg/kg}$	$< 10 \text{ mg/kg}$
Zinc (Zn)	$\leq 50 \text{ mg/kg}$	$< 50 \text{ mg/kg}$

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.



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Batch Number: BCCM9648



Dr. Reinhold Schwenninger
Quality Assurance
Buchs, Switzerland CH

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