

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaldrich.com

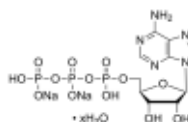
Email USA: techserv@sial.com

Outside USA: eurtechserv@sial.com

Product Specification

Product Name:
Adenosine 5'-triphosphate disodium salt hydrate - BioXtra, ≥99% (HPLC), from microbial

Product Number: A7699
CAS Number: 34369-07-8
MDL: MFCD00150755
Formula: C₁₀H₁₄N₅Na₂O₁₃P₃ · xH₂O
Formula Weight: 551.14 g/mol
Storage Temperature: -20 °C



TEST	Specification
Appearance (Color)	White
Appearance (Form)	Powder
Solubility (Color)	Colorless
Solubility (Turbidity)	Clear
50 mg/mL, H ₂ O	
Proton NMR Spectrum	Conforms to Structure
Water (by NMR)	≤ 12 %
% Solvent	≤ 3
By NMR	
Chloride Content	≤ 0.05 %
Aluminum (AL)	≤ 0.005 %
Lead (Pb)	≤ 0.001 %
Calcium (Ca)	≤ 0.01 %
Magnesium (Mg)	≤ 0.005 %
Potassium (K)	≤ 0.01 %
Iron (Fe)	≤ 0.05 %
Copper (Cu)	≤ 0.001 %
Zinc (Zn)	≤ 0.0005 %
Inorganic Phosphorus	≤ 0.1 %
Ammonia (NH ₄)	≤ 0.05 %
UV-Vis Spectrum	97.0 - 100.5 %
Based on EmM = 15.4 at lambda maximum of 258 nm - 260 nm in 0.1 M Phosphate, pH 7.0, Dry Basis	

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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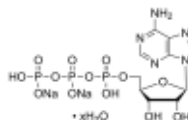
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TEST	Specification
Purity (HPLC)	≥ 99 %
Recommended Retest Period	-----
4 years	
Source	Conforms
Microbial	

Specification: PRD.6.ZQ5.10000029141

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