



MP Biomedicals, LLC

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Certificate of Analysis

Product Description: Adenosine-5'-triphosphate Disodium Salt Hydrate_

Catalog Number: 150266_

Lot: 2672H_

Formula: $C_{10}H_{14}N_5Na_2O_{13}P_3 \cdot xH_2O$

CAS #: 51963-61-2

Physical Description: fine white powder

Formula Weight: 551.20 (anhyd.)

Storage: -0°C

Test	Specification	Result
Identity Test	Passes	Passes
Purity	≥96%	98% (HPLC)
Moisture	Report Result	7.7%
FTIR	Conforms to Standard	Conforms to Standard
UV/Vis: □ max (water)	258 ± 2 nm	258.0 nm
OD250/OD259	0.75 - 0.83	0.78
pH (5% aq soln)	Acidic to Litmus Paper	Acidic to Litmus Paper (3.2)
Solubility (5% aq soln)	Clear to Slightly Hazy Solution	Clear to Slightly Hazy Solution

OD280/OD260: 0.15

OD290/OD260: 0.01

Dry substance: 93.4%

Transmittance (430 nm): 98.9%

Chlorides: 586 ppm

Heavy Metals: <10 ppm

Iron: 19 ppm

Pyrogens: <2.5 mg/kg

Residual solvent: 274 ppm

Microbic contamination: <100 CFU/g


03/23/2004 - Joseph Dietz, Ph.D.
MP Biomedicals, LLC.
Technical Director

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Online Ordering, MSDSs, certificates of analysis and data sheets now available on our web site

Technical Service: 1-800-279-5490 (440-337-1200) Customer Service: 1-800-854-0530 (440-337-1200)