



MP Biomedicals, LLC

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Certificate of Analysis

Product Description: Adenosine-5'-triphosphate Disodium Salt Hydrate, Cell Culture Reagent
Catalog Number: 194614_
Lot: R17626_

Formula: $C_{10}H_{14}N_5Na_2O_{13}P_3 \cdot xH_2O$
CAS #: 51963-61-2
Physical Description: White Powder

Formula Weight: 551.20 (anhyd.)
Storage: -0°C

Test	Specification	Result
Identity Test	Passes	Passes
Purity	≥ 96%	99.6%
Moisture	Report Result	6.9%
FTIR	Conforms to Standard	Conforms to Standard
□ max (H ₂ O)	258 ± 2 nm	260 nm
OD250/OD259	0.75 - 0.83	0.79
pH (5% aq soln)	Acidic to Litmus Paper	Passes
Solubility (5% aq soln)	Clear to Slightly Hazy Solution	Passes

E280/260: 0.14
Dry Substances: 92.0%
Transmittance(430nm, 5%): 99.0%
Chlorides: 428 ppm
Heavy Metals: <10 ppm
Iron: 16 ppm
Pyrogens: <2.5 mg/kg
Residual Solvent: 989 ppm
Microbic Contamination: < 100 UFC/g
Enzymatic Assay: 98.4%
Toxicity Test: Atoxic
Foreign Matter: Not Found


04/12/2004 - Joseph Dietz, Ph.D.
MP Biomedicals, LLC.
Technical Director

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<http://www.mpbio.com>

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)