



MP Biomedicals, LLC

29525 Fountain Parkway
Solon, Ohio 44139

Telephone: 440/337-1200
Toll Free: 800/854-0530

Fax: 440/337-1180
web: www.mpbio.com

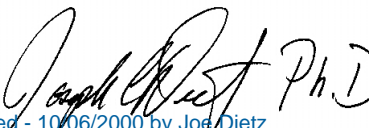
Certificate of Analysis

Product Description: Adenosine-5'-Diphosphate, free acid_
Catalog Number: 160053_
Lot: 1180E_

Formula: C ₁₀ H ₁₅ N ₅ O ₁₀ P ₂ CAS #: 58-64-0 Physical Description: white powder	Formula Weight: 427.2 Storage: -0°C
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Test	Specification	Result
Identity Test	Passes	Passes
Purity	≥ 96%	97.6%
UV/VIS	OD 250/260 < 1.0 OD 280/260 < 0.5	0.79 0.16

AMP: 1.3%
ATP: 0.11%
EXPIRATION DATE: 09/30/01


Approved - 10/06/2000 by Joe Dietz
MP Biomedicals, LLC.
Technical Director

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<mailto:biotech@mpbio.com>
<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)