



**MP Biomedicals, LLC**

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## Certificate of Analysis

**Product Description:** Adenosine-5'-diphosphate, free acid  
**Catalog Number:** 160053  
**Lot:** QR13041

**Formula:** C<sub>10</sub>H<sub>15</sub>N<sub>5</sub>O<sub>10</sub>P<sub>2</sub>

**CAS #:** 58-64-0

**Physical Description:** White Crystalline Powder

**Formula Weight:** 427.2

**Storage:** -20°C

Test	Specification	Result
Identity Test	Passes	Passes
Purity	≥96%	97.3% (HPLC)
FTIR	Conforms to Reference	Conforms to Reference
UV/Vis: (solvent?) OD250/OD260 OD280/OD260	<1.0 <0.5	0.82 0.19

UV Content: 94%

Water (KF): 6.7%

Recommended Retest Date: 11/16/2018

11/21/2016 - John Huang, PhD  
MP Biomedicals, LLC.  
Quality Control Manager

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