



**MP Biomedicals, LLC**

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## Certificate of Analysis

**Product Description:** Adenosine-5'-diphosphate, free acid  
**Catalog Number:** 160053  
**Lot:** QR15098

**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%	96.1% (HPLC)
FTIR	Conforms to Reference	Conforms to Reference
UV/Vis: (solvent?) OD250/OD260	<1.0	0.82
OD280/OD260	<0.5	0.18

UV Content (dry basis): 100%

Water (KF): 6.1%

Recommended Retest Date: 01/24/2020

01/26/2018 - John Huang, PhD  
MP Biomedicals, LLC.  
Quality Control Manager

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