

**MP Biomedicals, LLC**29525 Fountain Parkway  
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## Certificate of Analysis

**Product Description:** Adenine Hemisulfate Dihydrate, cell culture reagent  
**Catalog Number:** 194607  
**Lot:** MR31634

**Formula:**  $(C_5H_5N_5)_2 \cdot H_2SO_4 \cdot 2H_2O$   
**CAS #:** 6509-19-9  
**Physical Description:** White Crystalline Powder

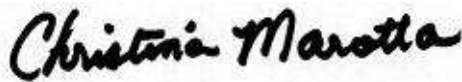
**Formula Weight:** 404.37  
**Storage:** Room Temperature

Test	Specification	Result
Identity Test	Passes	Passes
Purity	≥99%	99.8%
FTIR	Conforms to Standard	Conforms to Standard
Moisture	6 - 11%	8.9%
pH (0.5% aq soln)	3 - 5	3.06
UV/VIS: λ max (water)	261 ± 2 nm	260 nm
OD250/OD260	0.80 ± 0.03	0.79
OD280/OD260	0.25 ± 0.2	0.19
Solubility (0.5% aq soln)	Clear, Colorless Solution	Clear, Colorless Solution

Residue on ignition: 0.04%

Heavy metals: ≤10 ppm

Assay (UV): 100.8%



07/07/2014 - Christina Marotta  
MP Biomedicals, LLC.  
Technical Director

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