

Certificate of Analysis

Product Description: Adenine_
Catalog Number: 4060012; 4060022_
Lot: R20499_

Formula: C₅H₅N₅

CAS #: 73-24-5

Physical Description: Off-white Powder

Formula Weight: 135.1

Storage: Room Temperature

Test	Specification	Result
Identity Test	Passes	Passes
Purity	≥99%	99.4%
FTIR	Conforms to Standard	Passes
UV/VIS: □□ max OD250 nm/OD260 nm OD280 nm/OD260 nm	262 ± 3 nm (0.1 N HCl) 0.76 ± 0.05 0.40 ± 0.05	262.5 nm 0.80 0.39
Loss on Drying	<1.0 %	0.14%

Heavy Metals: <0.001%

Nitrogen: 52.1%

Organic Impurity: Conforms

Organic Volatile Impurities: Conforms



08/23/2005 - Joseph Dietz, Ph.D

MP Biomedicals, LLC.

Technical Director

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mailto:biotech@mpbio.com

<http://www.mpbio.com>

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