

**MP Biomedicals, LLC**

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Certificate of Analysis

Product Description: Cytidine, Free Base_

Catalog Number: 194651_

Lot: 5377K_

Formula: C₉H₁₃N₃O₅

CAS #: 65-46-3

Physical Description: White Powder

Formula Weight: 243.22

Storage: Room Temperature, desiccate

Test	Specification	Result
Identity Test	Passes	Passes
FTIR	Conforms to Standard	Conforms to Standard
Melting Point	208 - 218°C	214.3 - 215.0°C
UV/Vis: □ max (water)	270 - 272 nm	270.5 nm
OD250/OD260 nm	Report Result	0.48
OD280/OD260 nm	Report Result	2.11
OD290/OD260 nm	Report Result	0.33

Purity (HPLC): 99.78%

Purity (UV): 100.80%

Loss on Drying: 0.04%

Residue on Ignition: 0.04%

Heavy Metals: <10 ppm

Specific Rotation: +33.0°

Date of Manufacturing: Nov, 2009

Re-evaluation date: Nov, 2018

Christina Marotta

11/30/2009 - Christina Marotta

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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)