

**MP Biomedicals, LLC**

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## Certificate of Analysis

**Product Description:** Cytidine, Free Base

**Catalog Number:** 194651

**Lot:** 3589K

**Formula:**  $C_9H_{13}N_3O_5$

**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	211.0 - 212.7°C
UV/Vis: □ max (water)	270 - 272 nm	270.5
OD250/OD260 nm	Report Result	0.44
OD280/OD260 nm	Report Result	2.07
OD290/OD260 nm	Report Result	0.37

Purity (HPLC): 99.58%

Purity (UV): 99.33%

Loss on Drying: 0.18%

Residue on Ignition: 0.05%

Heavy Metals: Complies

Specific Rotation: +33.0°

Date of Manufacturing: June, 2008

Date of Expiration: June, 2017

04/07/2009 - Robert Beattie

MP Biomedicals, LLC.

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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)