



MP Biomedicals, LLC

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Certificate of Analysis

Product Description: Cytidine, Free Base_
Catalog Number: 194651_
Lot: QR15945_

Formula: C₉H₁₃N₃O₅

CAS #: 65-46-3

Physical Description: White to Off-white Powder

Formula Weight: 243.22

Storage: desiccate, 15 - 30°C

Test	Specification	Result
Identity Test	Passes	Passes
FTIR	Conforms to Standard	Conforms to Standard
Melting Point	208 - 218°C	210.5 - 211.4°C
UV/Vis: □ max (water)	270 - 272 nm	270.5 nm
OD250/OD260 nm	Report Result	0.44
OD280/OD260 nm	Report Result	2.08
OD290/OD260 nm	Report Result	1.54

Purity: 99.7% (HPLC)

Assay (UV): 100.3%

Loss on drying: 0.1%

Rotation: +34.0°

Residue on ignition: 0.08%

Heavy metals: #10 ppm

Recommended Retest Date: 06/29/2021

08/21/2018 - John Huang, PhD
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)