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Certificate of Analysis

Product Description: Cytidine, Free Base_
Catalog Number: 101459_
Lot: Q7507_

Formula: C₉H₁₃N₃O₅

CAS #: 65-46-3

Physical Description: 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	212.0 - 213.1°C
UV/Vis: □ max (water)	270 - 272 nm	270 nm
OD250/OD260 nm	Report Result	0.86
OD280/OD260 nm	Report Result	0.91
OD290/OD260 nm	Report Result	0.28

Loss on drying: 0.2%

Rotation: +33.8°

Residue on ignition: 0.07%

Heavy metals: #10 ppm

Assay (UV): 100.7%

Purity (HPLC): 99.8%

Recommended Retest Date: 12/31/2019

09/25/2017 - 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)