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Certificate of Analysis

Product Description: Cytidine, Free Base_

Catalog Number: 101459_

Lot: QR12602_

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	213 - 214°C
UV/Vis: □ max (water)	270 - 272 nm	270.8 nm
OD250/OD260 nm	Report Result	0.85
OD280/OD260 nm	Report Result	0.90
OD290/OD260 nm	Report Result	0.27

Purity (HPLC): 99.90%

Purity (UV): 101.36%

Loss on Drying: 0.06%

Residue on Ignition: 0.10%

Heavy Metals: #10 ppm

Specific Rotation: +34.8°

Recommended Retest Date: 08/10/2018

08/18/2016 - 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)