



MP Biomedicals, LLC

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Certificate of Analysis

Product Description: 2'-Deoxyguanosine Hydrate
Catalog Number: 101489
Lot: QR14441

Formula: C₁₀H₁₃N₅O₄ · xH₂O

CAS #: 207121-55-9

Physical Description: White Powder

Formula Weight: 267.24 (anhydrous)

Storage: -20°C

Test	Specification	Result
Identity Test	Passes	Passes
Purity	#99%	99%
FTIR	Conforms to Standard	Conforms to Standard
□ max (water)	252 ± 3 nm	252.1 nm
OD250/OD260 (water)	1.11 - 1.19	1.16
OD 280/OD260 (water)	0.65 - 0.71	0.68
OD290/OD260 (water)	0.24 - 0.30	0.26
Moisture	#10%	3.64%

Melting Point: 250°C

Purity: 99%

Principal R_f (TLC): 0.71

Trace R_f: None

Monohydrate

Recommended Retest Date: 07/20/2019

07/25/2017 - John Huang, PhD

MP Biomedicals, LLC.

Quality Control Manager

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<http://www.mpbio.com>

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)