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Certificate of Analysis

Product Description: 2'-Deoxyguanosine_
Catalog Number: 101489_
Lot: M1594_

Formula: C₁₀H₁₃N₅O₄

CAS #: 961-07-9

Physical Description: White Crystalline Powder

Formula Weight: 267.25

Storage: -0°C

Test	Specification	Result
Identity Test	Passes	Passes
Purity	#99%	99 - 100%
FTIR	Conforms to Standard	Conforms to Standard
□□ (H ₂ O)	252 ± 3 nm	252 nm
OD250/260 (H ₂ O)	1.11 - 1.19	1.15
OD 280/260 (H ₂ O)	0.65 - 0.71	0.68
OD290/260 (H ₂ O)	0.24 - 0.30	0.27
Loss on Drying	#10%	3.30%

Melting Point: 250°C

TLC: Solvent System: Isobutyric Acid: Ammonia: Water::66:1:33; pH 3.7

-- Principal Rf: 0.71

-- Trace Rf: None

Christina Marotta

05/24/2011 - Christina Marotta

MP Biomedicals, LLC.

Technical Director

This is an electronically generated document
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<http://www.mpbio.com>

Online Ordering, MSDSs, certificates of analysis and data sheets now available on our web site

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