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## Certificate of Analysis

**Product Description:** 2'-Deoxyguanosine Hydrate  
**Catalog Number:** 101489  
**Lot:** QR14440

**Formula:** C<sub>10</sub>H<sub>13</sub>N<sub>5</sub>O<sub>4</sub> · xH<sub>2</sub>O

**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	252.8 nm
OD250/OD260 (water)	1.11 - 1.19	1.14
OD 280/OD260 (water)	0.65 - 0.71	0.67
OD290/OD260 (water)	0.24 - 0.30	0.24
Moisture	#10%	3.30%

Melting Point: 250°C

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

-- Principal Rf: 0.84

-- Trace Rf: None

Recommended Retest Date: 07/20/2020

07/24/2017 - John Huang, PhD

MP Biomedicals, LLC.

Quality Control Manager

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

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