



**MP Biomedicals, LLC**

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## Certificate of Analysis

**Product Description:** 2'-Deoxyguanosine\_  
**Catalog Number:** 101489\_  
**Lot:** 9770K\_

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

**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%
FTIR	Conforms to Standard	Conforms to Standard
□□ (H <sub>2</sub> O)	252 ± 3 nm	252 nm
OD250/260 (H <sub>2</sub> O)	1.11-1.19	1.15
OD 280/260 (H <sub>2</sub> O)	0.65 - 0.71	0.68
OD290/260 (H <sub>2</sub> 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: 0.84

-- Trace Rf: None

*Christina Marotta*

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MP Biomedicals, LLC.

Technical Director

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<http://www.mpbio.com>

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