

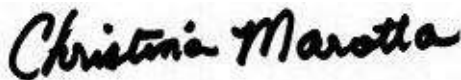
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## Certificate of Analysis

**Product Description:** Guanosine-5'-monophosphate, Free Acid  
**Catalog Number:** 101908  
**Lot:** M9358**Formula:** C<sub>10</sub>H<sub>14</sub>N<sub>5</sub>O<sub>8</sub>P  
**CAS #:** 85-32-5  
**Physical Description:** White Powder**Formula Weight:** 363.20  
**Storage:** +4°C

Test	Specification	Result
Identity Test	Passes	Passes
Purity	≥98%	99.7%
FTIR	Conforms to Reference	Conforms to Reference

Solubility (50 mg/ml in 1 N ammonium hydroxide): Clear, Colorless Solution  
Water Content (KF): 6.2%  
UV Content (dry basis): 99%  
A250/A260: 1.12  
A280/A260: 0.64  
A290/260: 0.11



07/09/2014 - Christina Marotta  
MP Biomedicals, LLC.  
Technical Director

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