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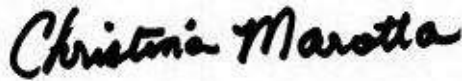
## Certificate of Analysis

**Product Description:** Guanosine-5'-triphosphate Disodium Salt  
**Catalog Number:** 100710  
**Lot:** M9591**Formula:** C<sub>10</sub>H<sub>14</sub>N<sub>5</sub>O<sub>14</sub>P<sub>3</sub>Na<sub>2</sub>**CAS #:** 56001-37-7**Physical Description:** White Powder**Formula Weight:** 567.2**Storage:** -0°C

Test	Specification	Result
Identity Test	Passes	Passes
Purity	≥98%	98.9%
FTIR	Conforms to Standard	Conforms to Standard
UV/VIS λ max (water)	252 ± 3 nm	253.1 nm
OD250/OD260	1.20 ± 0.08	1.158
OD280/OD260	0.65 ± 0.08	0.668

UV content (dry basis): 97%

Water (KF): 6.8%

08/21/2014 - Christina Marotta  
MP Biomedicals, LLC.  
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