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## Certificate of Analysis

**Product Description:** Guanidine Hydrochloride, practical grade  
**Catalog Number:** 101905  
**Lot:** Q1192**Formula:**  $\text{CH}_5\text{N}_3\cdot\text{HCl}$   
**CAS #:** 50-01-1  
**Physical Description:** White Powder**Formula Weight:** 95.53  
**Storage:** Room Temperature, desiccate

Test	Specification	Result
Identity Test	Passes	Passes
Melting Point	175 - 190°C	182.3 - 183.8°C
FTIR	Conforms to Standard	Conforms to Standard
pH (6M aq soln)	4 - 7	5.09
Loss on Drying	≤1.0%	0.1%
Solubility (6M aq soln)	Relatively Clear to Cloudy Yellow Solution with Sediment on Standing.	Clear, colorless solution

Guanidine hydrochloride: 99.8%

Ammonium chloride: 0.2%

Water: 0.1%

Turbidity: 0.3 NTU

Recommended retest date: 10/31/2019

12/02/2014 - Christina Marotta  
MP Biomedicals, LLC.  
Technical DirectorThis is an electronically generated document  
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