

**MP Biomedicals, LLC**

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Certificate of Analysis

Product Description: Guanidine Hydrochloride, molecular biology reagent.

Catalog Number: 194826_

Lot: MR28394_

Formula: $\text{CH}_5\text{N}_3\text{HCl}$

CAS #: 50-01-1

Physical Description: White, Crystalline Powder

Formula Weight: 95.53

Storage: Room Temperature

Test	Specification	Result
Identity Test	Passes	Passes
Purity	$\geq 99\%$	100.3%
Melting Point	180-190°C	186.0°C
FTIR	Conforms to Standard	Conforms to Standard
pH (6.0 M aq soln)	4-6	4.89
OD260 (6.0 M aq soln)	< 0.03	0.015
Loss on Drying	$\leq 1.0\%$	0.23%
Solubility (6.0 M aq soln)	Clear, Colorless Solution	Clear, Colorless Solution

Chloride: 37.2%

Christina Marotta

07/06/2011 - Christina Marotta

MP Biomedicals, LLC.

Technical Director

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

