

**MP Biomedicals, LLC**

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Certificate of Analysis

Product Description: Urea, molecular biology reagent

Catalog Number: 194857

Lot: R25983

Formula: CH₄N₂O

CAS #: 57-13-6

Physical Description: White Prills

Formula Weight: 60.06

Storage: Room Temperature

Test	Specification	Result
Identity Test	Passes	Passes
Purity	≥98%	99.6%
FTIR	Conforms to Standard	Conforms to Standard
Melting Point	130 - 140°C	133.2°C
OD260 nm (7 M aq soln)	≤0.2	0.0206
OD280 (7M aq soln)	≤0.2	0.0019
pH (7 M aq soln)	7.5 - 9.5	9.40
Pb	≤2 ppm	<1 ppm

Conductivity: 39.1

Copper : <1 ppm

Iron: <0.0001%

Cyanate: None Detected

RNAse; Negative

DNAse: Negative

Protease: Negative

07/02/2009 - Robert Beattie

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

Technical Service: 1-800-279-5490 (440-337-1200) Customer Service: 1-800-854-0530 (440-337-1200)