

Certificate of Analysis

Product Description: Urea, ultra pure**Catalog Number:** 821527B; 809253; 821513; 821514; 821518; 821519; 821527; 821528; 821530; 821531; 821532; 821533; 821534; 821535; 821858**Lot:** YD02049**Formula :** CH₄N₂O**CAS #:** 57-13-6**Physical Description:** White Crystals**Formula Weight:** 60.06**Storage:** 15 - 30°C

Test	Specification	Result
Identity Test	Passes	Passes
Purity	≥99%	99.1%
FTIR	Conforms to Standard	Conforms to Standard
Melting Point	130 - 140°C	132.9 - 138.4°C
OD260 (7M aq soln)	≤0.05	0.044
OD280 (7M aq soln)	≤0.05	0.027
pH (7M aq soln)	8.5 ± 1.0	8.9
Conductivity	≤100 uMhos	36.9 uMhos
Copper	≤1 ppm	1 ppm
Lead	≤1 ppm	1 ppm
Iron	≤1 ppm	1 ppm
Cyanate	None Detected	None Detected
RNAse	Negative	Negative
DNAse	Negative	Negative
Protease	Negative	Negative

Chloride: 0.00025%

Residue on Ignition: 0.007%

Recommended Retest Date (MM/DD/YYYY): 01/14/2025



03/21/2023 - Lily Liu

MP Biomedicals, LLC.

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