



## CERTIFICATE OF ANALYSIS

**Product:** Urea, USP / FCC Grade  
**Catalog Number:** U1003  
**Lot Number:** 2022102632  
**CAS #:** 57-13-6  
**Chemical Formula:**  $(\text{NH}_2)_2\text{CO}$   
**Formula Weight:** 60.06

ANALYTICAL RESULTS		
ITEM	SPECIFICATIONS	ANALYSIS
Appearance	White crystalline powder or beads	Passes Test
Identification A	To pass test	Passes Test
Identification B	To pass test	Passes Test
Alcohol insoluble matter	0.04% max.	0.004%
Assay (CH <sub>4</sub> N <sub>2</sub> O)	99.0 - 100.5%	99.5%
Residue on Ignition	0.1% max.	0.05%
Chloride (Cl)	0.007% max.	<0.007%
Sulfate	0.01% max.	<0.01%
Lead (Pb) FCC/USP	5 mg/kg max	1 mg/kg
Loss on Drying	1.0% max	0.7%
Manufacture Date	Record actual	08/18/2022
Expiration Date	5 years from manufacture date	08/17/2027
REMARKS		
This lot meets Version USP 39		

It is certified on 01/04/23 that the above is a true copy of the actual lot analysis.

Anthony Welch  
 Quality Systems and Regulatory Affairs  
 Rocky Mountain Reagents, Inc.

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