



## CERTIFICATE OF ANALYSIS

<b>Product:</b>	<b>Ammonium Carbonate, FCC/USP Grade</b>		
<b>Catalog Number:</b>	<b>A1069</b>		
<b>Lot Number:</b>	<b>79753709T0</b>		
<b>Test Date:</b>	<b>11/10/22</b>	<b>Expiration Date:</b>	<b>05/30/24</b>
<b>CAS #:</b>	<b>506-87-6</b>	<b>Chemical Formula:</b>	<b>(NH<sub>4</sub>)<sub>2</sub>CO<sub>3</sub></b>
<b>Formula Weight:</b>	<b>96.09</b>	<b>Density:</b>	<b>1.50 kg/L</b>

<b>Analysis</b>			
Assay	Test Method	Limit	Result
Ammonia (NH <sub>3</sub> )	Volumetric	30.5 - 34.0 g/100g	32.2 g/100g
Carbon Dioxide (CO <sub>2</sub> )	Calculated	min. 55.6 g/100g	56.0 g/100g
Iron (Fe)	ICP-OES	max 3.0 mg/kg	< 0.1 mg/kg
Non-Volatile Residue	FCC	max 100 mg/kg	< 10 mg/kg
Chloride	FCC	max 30 mg/kg	< 30 mg/kg
Sulphate	FCC	max 30 mg/kg	< 30 mg/kg
Heavy Metals (Pb)	FCC	max 3 mg/kg	< 3 mg/kg
Arsenic (As)	ICP-OES	max 1 mg/kg	< 1 mg/kg
Lead (Pb)	ICP-OES	max 1 mg/kg	< 1 mg/kg
Mercury (Hg)	ICP-OES	max 0.1 mg/kg	< 0.1 mg/kg
Cadmium (Cd)	ICP-OES	max 1 mg/kg	< 1 mg/kg

It is certified on 01/13/23 that the above is a true copy of the actual lot analysis.

Grant Christen  
 Quality Systems and Regulatory Affairs  
 Rocky Mountain Reagents, Inc.

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