

**Avantor Performance Materials India Limited**

501, 5th Floor, Tiffany Building,

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Thane - 400607, India.

Phone No.: +91 22 41288100

E-mail: rankem@avantormaterials.com; Website:www.avantormaterials.com; www.rankem.in

**CERTIFICATE OF ANALYSIS****Name of Product** : AMMONIUM CARBONATE AR-500 GM**Batch No.** : J197E18**Product Code** : A0718**Manufacturing Date** : May,2018**Specification No.** : FCA-147**Expiry Date** : April,2023**CAS No.** : 8000-73-5

TEST	RESULTS	SPECIFICATION
<b>DESCRIPTION</b>	Complies	White translucent crystalline masses with a strong ammonical odour.
<b>CLARITY</b>	Complies	Solution of 5 g in 50 ml of water is clear and colourless.
<b>GUARANTEE ANALYSIS</b>		
<b>ASSAY(as ammonia)</b>	38.120 %	>= 30.000 %
<b>MAXIMUM LIMITS OF IMPURITIES</b>		
<b>CHLORIDE (Cl)</b>	< 0.002%	<=0.002%
<b>SULPHATE (SO4)</b>	< 0.005%	<=0.005%
<b>CALCIUM (Ca)</b>	Not detected	<=0.02%
<b>HEAVY METALS (as Pb)</b>	< 0.0005%	<=0.0005%
<b>IRON (Fe)</b>	< 0.0005%	<=0.0005%
<b>SODIUM (Na)</b>	0.0011%	<=0.005%
<b>POTASSIUM(K)</b>	0.001%	<=0.002%
<b>WATER INSOLUBLE MATTER</b>	0.0011 %	<= 0.0050 %
<b>RESIDUE ON IGNITION</b>	0.0054 %	<= 0.0100 %
<b>ZINC (Zn)</b>	0.002%	<=0.005%

**Approved By**

**SAPNA BHANDARI**  
(MANAGER - QUALITY)

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Remark:- The batch complies with the laid down specification.

APPROVED.

Approved By

**SAPNA BHANDARI**  
(MANAGER - QUALITY)