



## CERTIFICATE OF ANALYSIS

**PRODUCT NAME : AMMONIUM CHLORIDE AR**

**CAS No : 12125-02-9**

**Mol. Formula : NH<sub>4</sub>Cl**

**Mol. WT : 53.49**

**Date of analysis : 28/12/24**

**Product code : 21500**

**Batch No. : MCAR-01025**

**Mfd. : Dec. 2024**

**Exp. : Nov. 2029**

| S.R | Test                         | Specification                       | Observation               |
|-----|------------------------------|-------------------------------------|---------------------------|
| 1   | Description                  | White powder or crystalline powder. | White crystalline powder. |
| 2   | Assay                        | 99.5% w/w min.                      | 99.75%w/w                 |
| 3   | pH (5% aq. solution)         | 4.5 – 6.5                           | 5.46                      |
| 4   | Insoluble matter             | 0.001 % max                         | 0.0007%                   |
| 5   | Non volatile matter          | 0.005 % max                         | 0.003%                    |
| 6   | Iodide (I)                   | 0.001 % max                         | <0.001 %                  |
| 7   | Phosphate (PO <sub>4</sub> ) | 0.0003% max                         | <0.0003%                  |
| 8   | Sulphate (SO <sub>4</sub> )  | 0.002% max                          | <0.002%                   |
| 9   | Calcium (Ca)                 | 0.001% max                          | <0.001%                   |
| 10  | Iron (Fe)                    | 0.0002% max                         | <0.0002%                  |
| 11  | Lead (Pb)                    | 0.0002 % max                        | <0.0002 %                 |
| 12  | Potassium (K)                | 0.005 % max                         | <0.005 %                  |
| 13  | Sodium (Na)                  | 0.005 % max                         | <0.005 %                  |
| 14  | Pyridine and homologues      | 0.001% max                          | <0.001%                   |
| 15  | Arsenic (As)                 | 0.00005% max                        | <0.00005%                 |

**REMARK: THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS**

**[Tested By]**

**CHEMIST  
(Durvas)**

**[QC Incharge]**

**HEAD-QUALITY ASSURANCE  
(G.G.Salian)**

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