



## 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 : 20/01/24**

**Product code : 21500**

**Batch No. : MCRT-27803-01**

**Mfd. : Jan. 2024**

**Exp. : Dec. 2028**

| S.R | Test                              | Specification                       | Observation               |
|-----|-----------------------------------|-------------------------------------|---------------------------|
| 1   | <b>Description</b>                | White powder or crystalline powder. | White crystalline powder. |
| 2   | <b>Assay</b>                      | 99.5% w/w min.                      | 99.60%w/w                 |
| 3   | <b>pH (5% aq. solution)</b>       | 4.5 – 6.5                           | 5.64                      |
| 4   | <b>Insoluble matter</b>           | 0.001 % max                         | 0.0006%                   |
| 5   | <b>Non volatile matter</b>        | 0.005 % max                         | 0.004%                    |
| 6   | <b>Iodide (I)</b>                 | 0.001 % max                         | <0.001 %                  |
| 7   | <b>Phosphate (PO<sub>4</sub>)</b> | 0.0003% max                         | <0.0003%                  |
| 8   | <b>Sulphate (SO<sub>4</sub>)</b>  | 0.002% max                          | <0.002%                   |
| 9   | <b>Calcium (Ca)</b>               | 0.001% max                          | <0.001%                   |
| 10  | <b>Iron (Fe)</b>                  | 0.0002% max                         | <0.0002%                  |
| 11  | <b>Lead (Pb)</b>                  | 0.0002 % max                        | <0.0002 %                 |
| 12  | <b>Potassium (K)</b>              | 0.005 % max                         | <0.005 %                  |
| 13  | <b>Sodium (Na)</b>                | 0.005 % max                         | <0.005 %                  |
| 14  | <b>Pyridine and homologues</b>    | 0.001% max                          | <0.001%                   |
| 15  | <b>Arsenic (As)</b>               | 0.00005% max                        | <0.00005%                 |

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

**[Tested By]**

**[QC Incharge]**

**CHEMIST  
(Jyoti)**

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

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