



## **CERTIFICATE OF ANALYSIS**

**PRODUCT NAME : AMMONIUM FERRIC SULPHATE AR (DODECAHYDRATE)**  
(Ammonium Iron (III) Sulphate)

|                         |                                                                                      |                     |                        |
|-------------------------|--------------------------------------------------------------------------------------|---------------------|------------------------|
| <b>CAS No</b>           | <b>: 7783- 83- 7</b>                                                                 | <b>Product code</b> | <b>: 21570</b>         |
| <b>Mol. Formula</b>     | <b>: <math>\text{NH}_4\text{Fe}(\text{SO}_4)_2 \cdot 12\text{H}_2\text{O}</math></b> | <b>Batch No</b>     | <b>: MCRT-21062-01</b> |
| <b>Mol. WT</b>          | <b>: 482.19</b>                                                                      | <b>Mfd.</b>         | <b>: July 2023</b>     |
| <b>Date of analysis</b> | <b>: 13/07/23</b>                                                                    | <b>Exp.</b>         | <b>: June 2028</b>     |

| S. R | Test                         | Specification        | Observation          |
|------|------------------------------|----------------------|----------------------|
| 1    | Description                  | Pale violet crystals | Pale violet crystals |
| 2    | Assay                        | 99.0 % min.          | 99.92%               |
| 3    | Water insoluble matter       | 0.003% max           | 0.002%               |
| 4    | pH (5% aq. solution)         | 2.0 - 5.0            | 2.07                 |
| 5    | Chloride (Cl)                | 0.0005% max          | < 0.0005%            |
| 6    | Phosphate (PO <sub>4</sub> ) | 0.003% max           | < 0.003%             |
| 7    | Calcium (Ca)                 | 0.001% max           | < 0.001%             |
| 8    | Copper (Cu)                  | 0.001% max           | < 0.001%             |
| 9    | Lead (Pb)                    | 0.002% max           | < 0.002%             |
| 10   | Magnesium (Mg)               | 0.001% max           | < 0.001%             |
| 11   | Manganese (Mn)               | 0.001% max           | < 0.001%             |
| 12   | Potassium (K)                | 0.002% max           | < 0.002%             |
| 13   | Sodium (Na)                  | 0.002% max           | < 0.002%             |
| 14   | Zinc (Zn)                    | 0.001% max           | < 0.001%             |

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

**[Tested By]**

**[QC Incharge]**

**CHEMIST**  
**(Sonu)**

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

**Note:** Computer generated image requires no sign.

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