

## CERTIFICATE OF ANALYSIS

**PRODUCT NAME : AMMONIUM FERROUS SULPHATE AR (HEXAHYDRATE)**  
(Diammonium Iron (II) Sulphate)

|                         |                                                                                        |                     |              |
|-------------------------|----------------------------------------------------------------------------------------|---------------------|--------------|
| <b>CAS No</b>           | : 7783-85-9                                                                            | <b>Product code</b> | : 21580      |
| <b>Mol. Formula</b>     | : (NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub> FeSO <sub>4</sub> .6H <sub>2</sub> O | <b>Batch No.</b>    | : MCAR-00105 |
| <b>Mol. WT</b>          | : 392.13                                                                               | <b>Mfd.</b>         | : May 2024   |
| <b>Date of analysis</b> | : 03/05/24                                                                             | <b>Exp.</b>         | : April 2029 |

| S.R | Test                            | Specification                                      | Observation                            |
|-----|---------------------------------|----------------------------------------------------|----------------------------------------|
| 1   | Appearance                      | Pale greenish-blue crystals or crystalline powder. | Pale greenish-blue crystalline powder. |
| 2   | Assay                           | 99.0-100.5%                                        | 99.66%w/w                              |
| 3   | pH (5% aq. solution)            | Not less than 3.5                                  | 3.87                                   |
| 4   | Insoluble matter                | 0.003% max                                         | 0.001%                                 |
| 5   | Chloride (Cl)                   | 0.001% max                                         | < 0.001%                               |
| 6   | Copper (Cu)                     | 0.002% max                                         | < 0.002%                               |
| 7   | Ferric iron (Fe <sup>3+</sup> ) | 0.02% max                                          | < 0.02%                                |
| 8   | Lead (Pb)                       | 0.002% max                                         | < 0.002%                               |
| 9   | Manganese (Mn)                  | 0.05% max                                          | < 0.05%                                |
| 10  | Potassium (K)                   | 0.02% max                                          | < 0.02%                                |
| 11  | Sodium (Na)                     | 0.02% max                                          | < 0.02%                                |
| 12  | Zinc (Zn)                       | 0.006% max                                         | < 0.006%                               |

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

**[Tested By]**

**[QC Incharge]**

**CHEMIST**  
(Swati)

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

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

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