

## CERTIFICATE OF ANALYSIS

**PRODUCT NAME : ALUMINIUM SULPHATE 16 HYDRATE AR**

|                         |                                                           |                     |              |
|-------------------------|-----------------------------------------------------------|---------------------|--------------|
| <b>CAS No</b>           | : 7784-31-8                                               | <b>Product code</b> | : 21410      |
| <b>Mol. Formula</b>     | : $\text{Al}_2(\text{SO}_4)_3 \cdot 16\text{H}_2\text{O}$ | <b>Batch No</b>     | : MCAR-01588 |
| <b>Mol. WT</b>          | : 630.38                                                  | <b>Mfd.</b>         | : May 2025   |
| <b>Date of analysis</b> | : 13/05/25                                                | <b>Exp.</b>         | : April 2030 |

| S.R | Test                        | Specification                       | Observation    |
|-----|-----------------------------|-------------------------------------|----------------|
| 1   | Description                 | White powder or crystalline powder. | White powder . |
| 2   | Assay                       | 99.0%w/w min                        | 99.67% w/w     |
| 3   | pH (2%w/v aq. solution)     | 2.5 – 4.0                           | 2.88           |
| 4   | Water insoluble matter      | 0.005% max                          | 0.003%         |
| 5   | Chloride (Cl)               | 0.001% max                          | < 0.001%       |
| 6   | Ammonium (NH <sub>4</sub> ) | 0.01% max                           | < 0.01%        |
| 7   | Copper (Cu)                 | 0.001% max                          | < 0.001%       |
| 8   | Iron (Fe)                   | 0.005% max                          | < 0.005%       |
| 9   | Lead (Pb)                   | 0.002% max                          | < 0.002%       |
| 10  | Potassium (K)               | 0.005% max                          | < 0.005%       |
| 11  | Sodium (Na)                 | 0.05% max                           | < 0.05%        |

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

**[Tested By]**



**CHEMIST  
(Shruti)**



**[QC Incharge]**



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

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