

**CERTIFICATE OF ANALYSIS**

|              |                                                    |                    |                                                                       |
|--------------|----------------------------------------------------|--------------------|-----------------------------------------------------------------------|
| Product Name | ALUMINIUM AMMONIUM SULPHATE DODECAHYDRATE 99.5% AR |                    |                                                                       |
| CAS No.      | 7784-26-1                                          | Code No.           | 00116                                                                 |
| Batch No.    | CS01232494                                         | Date of Analysis   | 01/02/2023                                                            |
| Mfg. Date    | Jan-2023                                           | Mol.Weight (g/mol) | 453.32                                                                |
| Expiry Date  | Dec-2028                                           | Mol. Formula       | NH <sub>4</sub> AI(SO <sub>4</sub> ) <sub>2</sub> .12H <sub>2</sub> O |

| Sr. | TESTS                        | SPECIFICATIONS           | RESULTS                  |
|-----|------------------------------|--------------------------|--------------------------|
| 1   | Appearance                   | White crystalline powder | White crystalline powder |
| 2   | Assay                        | 98.0-102.0%              | 98.91%                   |
| 3   | Phosphate (PO <sub>4</sub> ) | Max 0.0025%              | 0.0005%                  |
| 3   | Insoluble matter             | Max 0.005%               | 0.00019%                 |
| 4   | Reaction                     | Not less than pH 3.0     | Complies                 |
| 5   | Chloride (Cl)                | Max 0.001%               | 0.00014%                 |
| 6   | Nitrate (NO <sub>3</sub> )   | Max 0.001%               | 0.0008%                  |
| 7   | Silicate (SiO <sub>3</sub> ) | Max 0.002%               | 0.00019%                 |
| 8   | Arsenic (As)                 | Max 0.00005%             | 0.000003%                |
| 9   | Copper (Cu)                  | Max 0.0005%              | 0.000011%                |
| 10  | Iron (Fe)                    | Max 0.001%               | 0.0004%                  |
| 11  | Heavy metal (as Pb)          | Max 0.001%               | 0.0006%                  |
| 12  | Calcium (Ca)                 | Max 0.05%                | 0.002%                   |
| 13  | Potassium (K)                | Max 0.05%                | 0.010%                   |
| 14  | Sodium (Na)                  | Max 0.01%                | 0.0013%                  |

Remark: This product complies as per the specifications of Chemnovo.

**This is an electronically generated certificate and is valid without a signature.**

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**Chemnovo Synthesis Pvt. Ltd.**

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