

**CERTIFICATE OF ANALYSIS**

|                     |                                    |                    |                                  |
|---------------------|------------------------------------|--------------------|----------------------------------|
| <b>Product Name</b> | <b>AMMONIUM BICARBONATE 99% AR</b> |                    |                                  |
| CAS No.             | 1066-33-7                          | Code No.           | 00182                            |
| Batch No.           | CS12242437                         | Date of Analysis   | 28/12/2029                       |
| Mfg. Date           | Dec-2024                           | Mol.Weight (g/mol) | 79.06                            |
| Expiry Date         | Nov-2029                           | Mol. Formula       | NH <sub>4</sub> HCO <sub>3</sub> |

| Sr. | TESTS                        | SPECIFICATIONS                       | RESULTS                              |
|-----|------------------------------|--------------------------------------|--------------------------------------|
| 1   | Appearance                   | White hygroscopic crystalline powder | White hygroscopic crystalline powder |
| 2   | Assay                        | Min 99.0%                            | 99.86%                               |
| 3   | Insoluble matter             | Max 0.003%                           | 0.0011%                              |
| 4   | Non-volatile matter          | Max 0.005%                           | 0.0026%                              |
| 5   | Chloride (Cl)                | Max 0.0002%                          | 0.00005%                             |
| 6   | Phosphate (PO <sub>4</sub> ) | Max 0.001%                           | 0.00032%                             |
| 7   | Silicate (SiO <sub>2</sub> ) | Max 0.005%                           | 0.00014%                             |
| 8   | Sulphate (SO <sub>4</sub> )  | Max 0.002%                           | 0.0004%                              |
| 9   | Sulphide (S)                 | Max 0.0002%                          | 0.00006%                             |
| 10  | Arsenic (As)                 | Max 0.00004%                         | 0.000031%                            |
| 11  | Calcium (Ca)                 | Max 0.002%                           | 0.00026%                             |
| 12  | Copper (Cu)                  | Max 0.0002%                          | 0.00005%                             |
| 13  | Iron (Fe)                    | Max 0.0005%                          | 0.000074%                            |
| 14  | Lead (Pb)                    | Max 0.0002%                          | 0.000039%                            |
| 15  | Magnesium (Mg)               | Max 0.002%                           | 0.00042%                             |
| 16  | Potassium (K)                | Max 0.002%                           | 0.00031%                             |
| 17  | Sodium (Na)                  | Max 0.005%                           | 0.0017%                              |

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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