



## CERTIFICATE OF ANALYSIS

**PRODUCT NAME : AMMONIA SOLUTION 25% AR**  
**Sp. Gr. 0.91**

**CAS No : 1336-21-6**  
**Mol. Formula : NH<sub>3</sub>**  
**Mol. WT : 17.03**  
**Date of analysis : 11/12/24**

**Product code : 21400**  
**Batch No. : MCAR-00938**  
**Mfd. : Dec. 2024**  
**Exp. : Nov. 2029**

| S.R | Test                         | Specification                                        | Observation                                          |
|-----|------------------------------|------------------------------------------------------|------------------------------------------------------|
| 1   | Description                  | A clear colourless liquid with strong pungent odour. | A clear colourless liquid with strong pungent odour. |
| 2   | Assay                        | 25 %w/w min                                          | 25.27% w/w                                           |
| 3   | Carbonate (CO <sub>3</sub> ) | 0.002% max                                           | < 0.002%                                             |
| 4   | Chloride (Cl)                | 0.00005% max                                         | < 0.00005%                                           |
| 5   | Phosphate (PO <sub>4</sub> ) | 0.0002% max                                          | < 0.0002%                                            |
| 6   | Sulphate (SO <sub>4</sub> )  | 0.0003% max                                          | < 0.0003%                                            |
| 7   | Non-volatile matter          | 0.003% max                                           | 0.001%                                               |
| 8   | Calcium (Ca)                 | 0.0005% max                                          | < 0.0005%                                            |
| 9   | Potassium (K)                | 0.0001% max                                          | < 0.0001%                                            |
| 10  | Sodium (Na)                  | 0.0005% max                                          | < 0.0005%                                            |
| 11  | Magnesium (Mg)               | 0.00005% max                                         | < 0.00005%                                           |
| 12  | Iron (Fe)                    | 0.00005% max                                         | < 0.00005%                                           |
| 13  | Copper (Cu)                  | 0.00001% max                                         | < 0.00001%                                           |
| 14  | Zinc (Zn)                    | 0.00001% max                                         | < 0.00001%                                           |
| 15  | Oxygen absorbed (O)          | 0.0008% max                                          | < 0.0008%                                            |

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

**[Tested By]**

**CHEMIST**  
**(Durvas)**

**[QC Incharge]**

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

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