

## 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 : 03/03/25**

**Product code : 21400**  
**Batch No. : MCAR-01308**  
**Mfd. : March 2025**  
**Exp. : Feb. 2030**

| S.R | Test                              | Specification                                        | Observation                                          |
|-----|-----------------------------------|------------------------------------------------------|------------------------------------------------------|
| 1   | <b>Description</b>                | A clear colourless liquid with strong pungent odour. | A clear colourless liquid with strong pungent odour. |
| 2   | <b>Assay</b>                      | 25 %w/w min                                          | 25.28% w/w                                           |
| 3   | <b>Carbonate (CO<sub>3</sub>)</b> | 0.002% max                                           | < 0.002%                                             |
| 4   | <b>Chloride (Cl)</b>              | 0.00005% max                                         | < 0.00005%                                           |
| 5   | <b>Phosphate (PO<sub>4</sub>)</b> | 0.0002% max                                          | < 0.0002%                                            |
| 6   | <b>Sulphate (SO<sub>4</sub>)</b>  | 0.0003% max                                          | < 0.0003%                                            |
| 7   | <b>Non-volatile matter</b>        | 0.003% max                                           | 0.001%                                               |
| 8   | <b>Calcium (Ca)</b>               | 0.0005% max                                          | < 0.0005%                                            |
| 9   | <b>Potassium (K)</b>              | 0.0001% max                                          | < 0.0001%                                            |
| 10  | <b>Sodium (Na)</b>                | 0.0005% max                                          | < 0.0005%                                            |
| 11  | <b>Magnesium (Mg)</b>             | 0.00005% max                                         | < 0.00005%                                           |
| 12  | <b>Iron (Fe)</b>                  | 0.00005% max                                         | < 0.00005%                                           |
| 13  | <b>Copper (Cu)</b>                | 0.00001% max                                         | < 0.00001%                                           |
| 14  | <b>Zinc (Zn)</b>                  | 0.00001% max                                         | < 0.00001%                                           |
| 15  | <b>Oxygen absorbed (O)</b>        | 0.0008% max                                          | < 0.0008%                                            |

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

**[Tested By]**



**CHEMIST**  
**(Shruti)**



**[QC Incharge]**



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

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