

## CERTIFICATE OF ANALYSIS

**PRODUCT NAME : HYDROCHLORIC ACID AR**

**CAS No : 7647-01-0**

**Mol. Formula : HCl**

**Mol. WT : 36.46**

**Date of analysis : 24/04/24**

**Product code : 23540**

**Batch No : MCAR-00079**

**Mfd. : April 2024**

**Exp. : March 2029**

| S.R | Test                        | Specification                     | Observation                       |
|-----|-----------------------------|-----------------------------------|-----------------------------------|
| 1   | Description                 | A clear colourless fuming liquid. | A clear colourless fuming liquid. |
| 2   | Assay (acidimetric)         | 35.8 - 36.5%                      | 35.89%                            |
| 3   | Non volatile matter         | 0.001% max                        | 0.0006%                           |
| 4   | Free Chlorine (Cl)          | 0.0002% max                       | < 0.0002%                         |
| 5   | Sulphate (SO <sub>4</sub> ) | 0.0005% max                       | < 0.0005%                         |
| 6   | Sulphite (SO <sub>3</sub> ) | 0.0001% max                       | < 0.0001%                         |
| 7   | Ammonium (NH <sub>4</sub> ) | 0.0003% max                       | < 0.0003%                         |
| 8   | Arsenic (As)                | 0.000002% max                     | < 0.000002%                       |
| 9   | Copper (Cu)                 | 0.00001% max                      | < 0.00001%                        |
| 10  | Iron (Fe)                   | 0.00004% max                      | < 0.00004%                        |
| 11  | Lead (Pb)                   | 0.00005% max                      | < 0.00005%                        |

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

**[Tested By]**

**[QC Incharge]**

**CHEMIST  
(Swati)**

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

**Note:** Computer generated image requires no sign.

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