



## **CERTIFICATE OF ANALYSIS**

**PRODUCT NAME : HYDROCHLORIC ACID LR**

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

**Mol. Formula : HCl**

**Mol. WT : 36.46**

**Date of analysis : 03/12/19**

**Product code : 14860**

**Batch No : MCR-20290**

**Mfd. : Dec. 2019**

**Exp. : Nov. 2024**

| S.R | Test                                                | Specification                     | Observation                       |
|-----|-----------------------------------------------------|-----------------------------------|-----------------------------------|
| 1   | <b>Description</b>                                  | A clear colourless fuming liquid. | A clear colourless fuming liquid. |
| 2   | <b>Assay (acidimetric)</b>                          | 35 - 37 % w/w                     | 36.57% w/w                        |
| 3   | <b>Wt. per ml at 20°C</b>                           | about 1.18g                       | 1.18g                             |
| 4   | <b>Non volatile matter</b>                          | 0.01% max                         | 0.008%                            |
| 5   | <b>Free Chlorine (Cl)</b>                           | 0.0005% max                       | < 0.0005%                         |
| 6   | <b>Sulphuric Acid (H<sub>2</sub>SO<sub>4</sub>)</b> | 0.02% max                         | < 0.02%                           |
| 7   | <b>Iron (Fe)</b>                                    | 0.0005% max                       | < 0.0005 %                        |
| 8   | <b>Lead (Pb)</b>                                    | 0.0005% max                       | < 0.0005 %                        |

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

**[Tested By]**

**[QC Incharge]**

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

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

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