



## **CERTIFICATE OF ANALYSIS**

Date: 16/08/18

**PRODUCT NAME : HYDROCHLORIC ACID LR**

CAS No : 7647-01-0  
Mol. Formula : HCl  
Mol. WT : 36.46  
Exp. : July 2023

Product code : 14860  
Batch No : MCR-16711  
Mfd. : Aug. 2018

| S.R | Test                                             | Specification                     | Observation                       |
|-----|--------------------------------------------------|-----------------------------------|-----------------------------------|
| 1   | Description                                      | A clear colourless fuming liquid. | A clear colourless fuming liquid. |
| 2   | Assay (acidimetric)                              | 35 - 37 % w/w                     | 36.59 % w/w                       |
| 3   | Wt. per ml at 20°C                               | about 1.18g                       | 1.18g                             |
| 4   | Non volatile matter                              | 0.01% max                         | 0.005%                            |
| 5   | Free Chlorine (Cl)                               | 0.0005% max                       | < 0.0005%                         |
| 6   | Sulphuric Acid (H <sub>2</sub> SO <sub>4</sub> ) | 0.02% max                         | < 0.02%                           |
| 7   | Iron (Fe)                                        | 0.0005% max                       | < 0.0005 %                        |
| 8   | Lead (Pb)                                        | 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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