

## CERTIFICATE OF ANALYSIS

|                           |                                                     |                         |           |
|---------------------------|-----------------------------------------------------|-------------------------|-----------|
| <b>Product Name</b>       | Hydrochloric Acid 33%, HPLC                         |                         |           |
| <b>Synonyms</b>           | Hydrochloric Acid                                   |                         |           |
| <b>CAS No</b>             | 7647-01-0                                           |                         |           |
| <b>Product code</b>       | SY00350                                             | <b>Batch No</b>         | LHYBF0917 |
| <b>Molecular Formula</b>  | HCl                                                 | <b>Molecular Weight</b> | 36.46     |
| <b>Mfg. Date</b>          | Sep-26                                              | <b>Expiry Date</b>      | Aug-31    |
| <b>Storage Conditions</b> | Store at room temperature, tightly closed container |                         |           |

| Test                          | Specification                                          | Results                                        |
|-------------------------------|--------------------------------------------------------|------------------------------------------------|
| <b>Appearance</b>             | A Clear Colourless to Pale Yellow Colour fuming liquid | Colourless to Pale Yellow Colour fuming liquid |
| <b>Identification</b>         | Gives the reaction of chloride                         | Complies                                       |
| <b>Miscibility</b>            | Miscible with water                                    | Complies                                       |
| <b>Residue on ignition</b>    | Max 0.1%                                               | 0.048%                                         |
| <b>Assay (By Titration)</b>   | NLT 33.00%                                             | 34.25%                                         |
| <b>Color (APHA)</b>           | NMT 10                                                 | 6                                              |
| <b>Residue after Ignition</b> | 0.0002%                                                | 0.0002%                                        |

**Approved by**  
Dr. Gopinath PH. D

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