



## CERTIFICATE OF ANALYSIS

Date: 03/04/18

PRODUCT NAME : PERCHLORIC ACID 60% AR

CAS No : 7601-90-3  
Mol. Formula :  $\text{HClO}_4$   
Mol. WT : 100.46  
Exp. : March 2023

Product code : 24635  
Batch No : MCR-15886  
Mfd. : April 2018

| S.R | Test                                   | Specification  | Observation  |
|-----|----------------------------------------|----------------|--------------|
| 1   | Assay                                  | 60.0-62.0 %    | 61.50%       |
| 2   | Non volatile matter                    | 0.003 % max    | 0.001 %      |
| 3   | Chlorate( $\text{ClO}_3$ )             | 0.0012 % max   | < 0.0012 %   |
| 4   | Chloride( $\text{Cl}$ )                | 0.0001 % max   | < 0.0001 %   |
| 5   | Free chlorine( $\text{Cl}$ )           | 0.0005 % max   | < 0.0005 %   |
| 6   | Nitrate( $\text{NO}_3$ )               | 0.001 % max    | < 0.001 %    |
| 7   | Phosphate & Silicate( $\text{SiO}_2$ ) | 0.0003 % max   | < 0.0003 %   |
| 8   | Sulphate( $\text{SO}_4$ )              | 0.0004 % max   | < 0.0004 %   |
| 9   | Ammonium( $\text{NH}_4$ )              | 0.0002 % max   | < 0.0002 %   |
| 10  | Arsenic (As)                           | 0.000005 % max | < 0.000005 % |
| 11  | Copper(Cu)                             | 0.00001 % max  | < 0.00001 %  |
| 12  | Iron (Fe)                              | 0.00005% max   | < 0.00005 %  |
| 13  | Lead (Pb)                              | 0.00001 % max  | < 0.00001 %  |
| 14  | Manganese(Mn)                          | 0.00005 % max  | < 0.00005 %  |
| 15  | Mercury(Hg)                            | 0.00001 % max  | < 0.00001 %  |
| 16  | Potassium(K)                           | 0.002 % max    | < 0.002 %    |
| 17  | Silver(Ag)                             | 0.00001 % max  | < 0.00001 %  |
| 18  | Sodium(Na)                             | 0.002 % max    | < 0.002 %    |

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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