



## **CERTIFICATE OF ANALYSIS**

**PRODUCT NAME : ETHYLENE GLYCOL AR 99%**  
(1,2-ETHANEDIOL) (M.E.G)

**CAS No : 107-21-1**  
**Mol. Formula : C<sub>2</sub>H<sub>6</sub>O<sub>2</sub>**  
**Mol. WT : 62.07**  
**Date of analysis : 28/04/22**

**Product code : 23165**  
**Batch No : MCRT-25513**  
**Mfd. : April 2022**  
**Exp. : March 2027**

| S. R | Test                             | Specification                               | Observation                                 |
|------|----------------------------------|---------------------------------------------|---------------------------------------------|
| 1    | Description                      | A clear colourless slightly viscous liquid. | A clear colourless slightly viscous liquid. |
| 2    | Assay (GC)                       | 99 % min                                    | 99.93%                                      |
| 3    | Wt.per ml (at 20 <sup>o</sup> c) | 1.112 – 1.114g                              | 1.113g                                      |
| 4    | Refractive index                 | 1.431- 1.432                                | 1.431                                       |
| 5    | Insoluble matter                 | Passes test                                 | Passes test                                 |
| 6    | Acidity (CH <sub>3</sub> COOH)   | 0.0005% max                                 | < 0.0005%                                   |
| 7    | Sulphated ash                    | 0.003% max                                  | 0.002%                                      |
| 8    | Chloride (Cl)                    | 0.00002% max                                | <0.00002%                                   |
| 9    | Sulphate (SO <sub>4</sub> )      | 0.002% max                                  | < 0.002%                                    |
| 10   | Copper (Cu)                      | 0.0001% max                                 | < 0.0001%                                   |
| 11   | Iron (Fe)                        | 0.0001% max                                 | < 0.0001%                                   |
| 12   | Lead (Pb)                        | 0.0001% max                                 | < 0.0001%                                   |
| 13   | Water                            | 0.1% max                                    | 0.05%                                       |

**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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