# CERTIFICATE OF ANALYSIS

**PRODUCT NAME : PROPYLENE GLYCOL AR**

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|---|---|---|---|
| **CAS No** | **: 57-55-6** | **Product code** | **: 25183** |
| **Mol. Formula** | **: $CH_3.CH(OH).CH_2OH$** | **Batch No** | **: MCRT-24101-01** |
| **Mol. WT** | **: 76.10** | **Mfd.** | **: April 2022** |
| **Date of analysis** | **: 14/04/22** | **Exp.** | **: March 2027** |

| S. R | Test | Specification | Observation |
|---|---|---|---|
| 1 | **Description** | Clear colourless liquid. | Clear colourless liquid. |
| 2 | **Assay** | 99 % min | 99.91% |
| 3 | **Wt. per ml (at $20^0$c)** | 1.035-1.037 g | 1.0356g |
| 4 | **Refractive index$(n)^{20}_D$** | 1.431 – 1.433 | 1.4326 |
| 5 | **Chloride (Cl)** | 0.005% max | <0.005% |
| 6 | **Sulphate ($SO_4$)** | 0.006% max | <0.006% |
| 7 | **Heavy metals (as Pb)** | 0.0005% max | < 0.0005% |
| 8 | **Free acid (as acetic acid)** | 0.006% max | <0.006% |
| 9 | **Free Alkali (as $NH_3$)** | 0.0015%max | <0.0015% |
| 10 | **Water** | 0.2% max | 0.04% |
| 11 | **Sulphated ash** | 0.005 % max | 0.002% |
| 12 | **Oxidising substances** | passes test | passes test |
| 13 | **Reducing substances** | passes test | passes test |

**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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