

## CERTIFICATE OF ANALYSIS

**PRODUCT NAME : METHYL-iso-BUTYL KETONE AR**

(iso-Butyl methyl ketone) (4-Methylpentane-2-one)

**CAS No : 108-10-1**

**Mol. Formula :  $(\text{CH}_3)_2\text{CH}.\text{CH}_2\text{CO}.\text{CH}_3$**

**Mol. WT : 100.16**

**Date of analysis : 26/03/24**

**Product code : 24280**

**Batch No : MCRT-30698**

**Mfd. : March 2024**

**Exp. : Feb. 2029**

| S.R | Test                                                 | Specification                                                        | Observation                                                   |
|-----|------------------------------------------------------|----------------------------------------------------------------------|---------------------------------------------------------------|
| 1   | <b>Description</b>                                   | A clear colourless liquid.<br>APHA not greater than 15<br>Hazen unit | A clear colourless liquid.<br>APHA less than 15 Hazen<br>unit |
| 2   | <b>Assay (GC)</b>                                    | 99.0% min.                                                           | 99.75%                                                        |
| 3   | <b>Wt. per ml at 20°C</b>                            | 0.799 - 0.802 g                                                      | 0.799g                                                        |
| 4   | <b>Refractive Index (n)<sup>20</sup><sub>D</sub></b> | 1.395 - 1.397                                                        | 1.395                                                         |
| 5   | <b>Water (H<sub>2</sub>O)</b>                        | 0.05% max                                                            | 0.04%                                                         |
| 6   | <b>Acidity (CH<sub>3</sub>COOH)</b>                  | 0.001% max                                                           | < 0.001%                                                      |
| 7   | <b>Non-volatile matter</b>                           | 0.001% max                                                           | 0.0007%                                                       |
| 8   | <b>Copper (Cu)</b>                                   | 0.00005% max                                                         | < 0.00005%                                                    |
| 9   | <b>Iron (Fe)</b>                                     | 0.00005% max                                                         | < 0.00005%                                                    |
| 10  | <b>Lead (Pb)</b>                                     | 0.00005% max                                                         | < 0.00005%                                                    |

**REMARK:** THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

**[Tested By]**

**[QC Incharge]**

**CHEMIST  
(Ruchi)**

**HEAD-QUALITY ASSURANCE  
(G.G.Salian)**

**Note:** Computer generated image requires no sign.

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