

## CERTIFICATE OF ANALYSIS

**PRODUCT NAME : CYCLOHEXANONE AR**

**CAS No : 108-94-1**  
**Mol. Formula : C<sub>6</sub>H<sub>10</sub>O**  
**Mol. WT : 98.15**  
**Date of analysis : 24/06/25**

**Product code : 22835**  
**Batch No. : MCAR-01762**  
**Mfd. : June 2025**  
**Exp. : May 2030**

| S.R | Test                                                 | Specification                                        | Observation                                      |
|-----|------------------------------------------------------|------------------------------------------------------|--------------------------------------------------|
| 1   | <b>Description</b>                                   | A clear colourless liquid. APHA not more than 10 HU. | A clear colourless liquid. APHA less than 10 HU. |
| 2   | <b>Assay</b>                                         | 99.5 % min                                           | 99.87%                                           |
| 3   | <b>Wt. per ml (at 20<sup>0</sup>c)</b>               | 0.945 - 0.947g                                       | 0.946g                                           |
| 4   | <b>Refractive index (n)<sup>20</sup><sub>D</sub></b> | 1.450 - 1.451                                        | 1.450                                            |
| 5   | <b>Water</b>                                         | 0.2 % max                                            | 0.12%                                            |
| 6   | <b>Non-volatile matter</b>                           | 0.02 % max                                           | 0.0006%                                          |
| 7   | <b>Acidity (CH<sub>3</sub>COOH)</b>                  | 0.02 % max                                           | <0.02 %                                          |
| 8   | <b>Cyclohexane (C<sub>6</sub>H<sub>12</sub>)</b>     | 0.001 % max                                          | <0.001 %                                         |
| 9   | <b>Cyclohexanol (C<sub>6</sub>H<sub>12</sub>O)</b>   | 0.2 % max                                            | <0.2 %                                           |
| 10  | <b>Copper (Cu)</b>                                   | 0.00005 % max                                        | <0.00005 %                                       |
| 11  | <b>Iron (Fe)</b>                                     | 0.0001 % max                                         | <0.0001 %                                        |
| 12  | <b>Lead (Pb)</b>                                     | 0.00005 % max                                        | <0.00005 %                                       |

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

**[Tested By]**



**CHEMIST  
(Deepa)**



**[QC Incharge]**



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

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