

## CERTIFICATE OF ANALYSIS

**PRODUCT NAME : ACETONE AR**

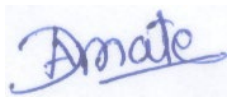
**CAS No : 67-64-1**  
**Mol. Formula : (CH<sub>3</sub>)<sub>2</sub>CO**  
**Mol. WT : 58.08**  
**Date of analysis : 01/07/24**

**Product code : 21040**  
**Batch No. : MCAR-00335**  
**Mfd. : July 2024**  
**Exp. : June 2029**

| S.R | Test                                                 | Specification                                                                     | Observation                                                                |
|-----|------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------|
| 1   | <b>Description</b>                                   | A clear, colourless liquid, with characteristic odor, APHA not greater than 10 HU | A clear, colourless liquid, with characteristic odor, APHA less than 10 HU |
| 2   | <b>Assay (GC)</b>                                    | 99.5 % min                                                                        | 99.69%                                                                     |
| 3   | <b>Refractive index (n<sup>20</sup><sub>D</sub>)</b> | 1.3580 to 1.3600                                                                  | 1.3590                                                                     |
| 4   | <b>Wt. per ml (at 20<sup>0</sup>c)</b>               | 0.789-0.791g                                                                      | 0.790g                                                                     |
| 5   | <b>Acidity (CH<sub>3</sub>COOH)</b>                  | 0.002 % max                                                                       | 0.001%                                                                     |
| 6   | <b>Alkalinity</b>                                    | 0.03 ml N/1% max                                                                  | < 0.03 ml N/1%                                                             |
| 7   | <b>Non Volatile Matter</b>                           | 0.0005% max                                                                       | 0.0004%                                                                    |
| 8   | <b>Aldehyde (H.CHO)</b>                              | 0.001 % max                                                                       | < 0.001%                                                                   |
| 9   | <b>Methanol (CH<sub>3</sub>OH)</b>                   | 0.05 % max                                                                        | < 0.05%                                                                    |
| 10  | <b>Substance reducing permanganate (O)</b>           | 0.0002 % max                                                                      | < 0.0002%                                                                  |
| 11  | <b>Water (by KF)</b>                                 | 0.5% max                                                                          | 0.26%                                                                      |
| 12  | <b>Iron (Fe)</b>                                     | 0.00005 % max                                                                     | < 0.00005%                                                                 |
| 13  | <b>Lead (Pb)</b>                                     | 0.00002 % max                                                                     | < 0.00002%                                                                 |

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

**[Tested By]**



**CHEMIST  
(Deepa)**

**[QC Incharge]**



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

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