



**Pallav Chemicals & Solvents Pvt. Ltd.**  
Manufacturers of Laboratory Fine Chemicals

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## **CERTIFICATE OF ANALYSIS**

|                         |   |                         |
|-------------------------|---|-------------------------|
| <b>Product Name</b>     | : | <b>ACETONE 99.5% AR</b> |
| <b>Cas No.</b>          | : | <b>67-64-1</b>          |
| <b>Code No.</b>         | : | <b>00028</b>            |
| <b>Batch No.</b>        | : | <b>PC11242022</b>       |
| <b>Mfg. Date</b>        | : | <b>NOV-2024</b>         |
| <b>Date Of Analysis</b> | : | <b>08/11/2024</b>       |
| <b>Retest Date</b>      | : | <b>OCT-2029</b>         |

| TEST                                         | SPECIFICATION                                      | RESULT                                             |
|----------------------------------------------|----------------------------------------------------|----------------------------------------------------|
| Appearance                                   | Clear colourless liquid with characteristics odour | Clear colourless liquid with characteristics odour |
| Identity (IR)                                | Confirms to structure                              | Complies                                           |
| Colour scale                                 | Max. 10 APHA                                       | 6 APHA                                             |
| Solubility                                   | Miscible with water                                | Complies                                           |
| Purity (by GC)                               | Min. 99.5%                                         | 99.94%                                             |
| Refractive index (20°C; 589 nm)              | 1.3580 - 1.3600                                    | 1.3595                                             |
| Density (d <sub>20</sub> <sup>20</sup> /4°C) | 0.789 - 0.791 g/ml                                 | 0.789 g/ml                                         |
| Specific gravity                             | Max 0.789                                          | 0.263                                              |
| Acidity (as CH <sub>3</sub> COOH)            | Max. 0.0003 meq/g                                  | 0.00009 meq/g                                      |
| Alkalinity                                   | Max. 0.0006 meq/g                                  | Nil                                                |
| Residue on evaporation                       | Max. 0.0005%                                       | 0.000053%                                          |
| Aldehyde (as HCHO)                           | Max. 0.002%                                        | 0.0007%                                            |
| Methanol (CH <sub>3</sub> OH)                | Max. 0.05%                                         | 0.006%                                             |
| 2-Propanol                                   | Max. 0.05%                                         | 0.013%                                             |
| Water (H <sub>2</sub> O)                     | Max. 0.5%                                          | 0.24%                                              |
| Substance reducing KMnO <sub>4</sub> (as O)  | Max. 0.0002% (passes ACS)                          | 0.00006% (passes ACS)                              |

REMARK : This product complies as per the specifications of **Pallav Chemicals & Solvents Pvt. Ltd.**

**This is an electronically generated Certificate and is valid without a signature.**

For Issues relating to Quality you may send us a mail on [sales@pallavchemicals.com](mailto:sales@pallavchemicals.com) or call on **022 4928 4000**

Website: [www.pallavchemicals.com](http://www.pallavchemicals.com)