

## CERTIFICATE OF ANALYSIS

|                   |                            |                 |                  |
|-------------------|----------------------------|-----------------|------------------|
| NAME OF PRODUCT : | ACETONE BP/Ph. Eur./USP-NF | LICENCE NO.:    | KD-40            |
| BATCH NO.         | : OM X/00220521/87         | TOTAL QTY.      | : 16327 Kg.      |
| MFG. DATE         | : MAY 2021                 | LAB ID          | : PHFP/2122/0021 |
| EXP. DATE         | : APRIL 2024               | ANALYSIS DATE : | 22.05.2021       |

| TEST   | ATTRIBUTE   | ACTUAL  |
|--|---|---|
| Description  | Volatile, clear, colourless liquid.   | Complies  |
| Solubility   | Miscible with water and with ethanol (96%).<br>(The vapour is flammable. )  | Complies  |
| Identification   | A. It complies with the test for relative density .<br>B. An intense red colour is produced which becomes violet with the addition of 3.5 ml of acetic acid .<br>C. A greenish-blue colour is produced.<br>D. IR -Spectrum - Complies.<br>E - The retention time of the sample corresponds to that of USP Acetone RS, as obtained in the Assay. | Complies<br>Complies.<br>Complies.<br>Complies. |
| Appearance of solution   | To 10 ml add 10 ml of water . The solution is clear and colourless  | Complies  |
| Acidity or alkalinity  | To pass the test. (The solution is red or orange.)  | Complies.                                       |
| Relative density   | 0.790 to 0.793  | 0.790   |
| Specific Gravity   | NMT 0.789   | 0.788   |
| Reducing substances  | The mixture is not completely decolourised.   | Complies  |
| <b>Related substances (By GC)(v/v) :</b>   |   |   |
| Impurity A,B   | NMT 0.05%   | < 0.05%   |
| Impurity C   | NMT 0.0002%   | < 0.0002%                                       |
| Any other impurity   | NMT 0.05%   | < 0.05%   |
| Matter insoluble in water<br>(Dilute 1.0 ml to 20 ml with water.)                | The solution is clear.  | Complies  |
| Nonvolatile Residue.   | Max. 0.004%   | 0.0012%   |
| Water  | Max. 3 g/L<br>(Max. 0.5% w/w)   | 1.6 g/L<br>(0.2% w/w)                           |
| Readily oxidizable substances  | The permanganate colour of the mixture does not completely disappear within 15 min.   | Complies  |
| Acetone Contains<br>C <sub>3</sub> H <sub>6</sub> O Calc on the anhydrous basis) | NLT 99.0%   | 99.9%   |

THE ABOVE BATCH MATERIAL COMPLIES WITH THE PRESCRIBED QUALITY OF BP/Ph.Eur./USP-NF STANDARD.

**This product is manufactured at our manufacturing unit no. 1 (Boisar).**

CODE NO. : 20003OM

FOR S D FINE-CHEM LIMITED

  
MANAGER (QC)

F-L-QC09-06.DOC

QUALITY CONTROL DEPARTMENT

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