

**Administrative Office:** 1502, Marathon Icon, Marathon Nextgen, Veer Santaji Marg, Lower Parel, Mumbai-400013

**Registered Office:** 315 T.V. Ind. Estate, Worli, Mumbai-400030 India

**Phone:** 022-24814444 **e-mail:** technical@sdfine.com **Website:** www.sdfine.com

## CERTIFICATE OF ANALYSIS

NAME OF PRODUCT : ACETONE BP/Ph. Eur./USP-NF LICENCE NO.: KD-40  
 BATCH NO. : OMX/01570123/87 TOTAL QTY. : 18406 Kg.  
 MFG. DATE : JAN. 2023 LAB ID : PHFP/2223/0159  
 EXP. DATE : DEC. 2025 ANALYSIS DATE : 10.01.2023

TEST	ATTRIBUTE	ACTUAL
Description	Volatile, clear, colourless liquid.	Complies
Solubility	Miscible with water and with ethanol (96 %), with ether & with chloroform. (The vapour is flammable.)	Complies
Identification	A. Relative density 0.790 to 0.793.	0.790
	B. An intense red colour is produced which becomes violet with the addition of 3.5 ml of acetic acid.	Complies
	C. A greenish-blue colour is produced.	Complies
	D. IR absorption spectrophotometry - Conforms	Complies
	E - The retention time of the sample corresponds to that of USP Acetone RS, as obtained in the Assay	Complies
Acetone Contains (C <sub>3</sub> H <sub>6</sub> O Calc on the anhydrous basis)	NLT 99.0%	99.9%
Appearance of solution	The solution is clear and colourless	Complies
Acidity or alkalinity	The solution is pink. Add 0.7 ml of 0.01M hydrochloric acid and 0.05 ml of methyl red solution R. 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) :</b>		
Impurities A, B	Not more than 0.05% V/V.	< 0.05%V/V
Impurity C	Not more than 2 ppm V/V.	< 2 ppm V/V
Any other impurity	Not more than 0.05% V/V	< 0.05% V/V
Matter insoluble in water	The solution is clear.	Complies
Non volatile residue	Not more than 0.004%.	0.0014%
Residue on evaporation	Maximum. 50 ppm.	15 ppm
Water	Maximum. 3 g/L.	1.9 g/L
Readily oxidizable substances	The permanganate colour of the mixture does not completely disappear within 15 min.	Complies

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).**

**FOR S D FINE-CHEM LIMITED**

CODE NO. : 20003OM

  
**MANAGER (QC)**

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**QUALITY CONTROL DEPARTMENT**

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