



**SDFCL**  
s d FINE-CHEM LIMITED



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## CERTIFICATE OF ANALYSIS

NAME OF PRODUCT : ACETONE BP/Ph. Eur./USP-NF LICENCE NO.: KD-40  
 BATCH NO. : OM X/02670320/87 TOTAL QTY. : 8807 Kg.  
 MFG. DATE : MARCH 2020 LAB ID : PHFP/1920/0264  
 EXP. DATE : FEB. 2023 ANALYSIS DATE : 06.04.2020

TEST	ATTRIBUTE	ACTUAL
Description	Volatile, clear, colourless liquid.	Complies
Solubility	Miscible with water and with ethanol (96%). (The vapour is flammable. )	Complies
Identification	A. It complies with the test for relative density .	Complies
	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 -Spectrum - Complies.	
	E - The retention time of the sample corresponds to that of USP Acetone RS, as obtained in the Assay.	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	0.785
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 (Dilute 1.0 ml to 20 ml with water.)	The solution is clear.	Complies
Nonvolatile Residuc.	Max. 0.004%	0.0028%
Water	Max. 3 g/L (Max. 0.5% w/w)	1.5 g/L. (0.19% w/w)
Readily oxidizable substances	The permanganate colour of the mixture does not completely disappear within 15 min.	Complies
Acetone Contains C <sub>3</sub> H <sub>6</sub> O Calc on the anhydrous basis)	NLT 99.0%	99.80%

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

F-L-QC09-06.DOC

QUALITY CONTROL DEPARTMENT

MANAGER (QC)

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