

CERTIFICATE OF ANALYSIS

NAME OF PRODUCT :	ACETONE BP/Ph. Eur./USP-NF	LICENCE NO.:	KD-40
BATCH NO.	OMX/02220323/87	TOTAL QTY.	5124 Kg.
MFG. DATE	MARCH 2023	LAB ID	PHFP/2223/0222
EXP. DATE	FEB. 2026	ANALYSIS DATE	28.03.2023

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 ₃ H ₆ 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	0.789
Reducing substances	The mixture is not completely decolourised.	Complies
Related substances (By GC) :		
Impurities A, B	Not more than 0.05% V/V.	0.019%V/V
Impurity C	Not more than 2 ppm V/V.	1.3 ppm V/V
Any other impurity	Not more than 0.05% V/V	0.006% V/V
Matter insoluble in water	The solution is clear.	Complies
Non volatile residue	Not more than 0.004%.	0.0016%
Residue on evaporation	Maximum. 50 ppm.	15 ppm
Water (As per BP)	Maximum. 3 g/L.	1.8 g/L
(As per USP- NF)	(Maximum. 0.5% w/w)	(0.23% w/w)
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. : 200030M

for 
MANAGER (QC)

F-L-QC09-06.DOC

QUALITY CONTROL DEPARTMENT

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