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CERTIFICATE OF ANALYSIS

QUALITY CONTROL LABORATORY of SDFCL Mfg. Unit No.2
 Survey No.299,Poicha(R),-391 780, Taluka : Savli, District : Vadodara , Gujarat
 NABL ACCREDITED TC-6881 ISO/IEC 17025 : 2017 For Chemical Testing

Date of Sampling : 20/02/2023
Testing started on : 20/02/2023
Testing completed on : 22/02/2023
Date of Reporting : 14/03/2023

Name Of The Product	ACETONE AR, ACS (Meets analytical specification of IP, BP, USP, Ph,Eur)		
Batch No.:	C23A/0223/1802/31	Product Code	20003
Mfg. Date	MAR.-2023	Reassessment Date	FEB.-2028
Specification Reference	20003SP05	Lab ID	RM/2223/02089
CASR No.	67-64-1	Certificate No.:	180223/02
Molecular Formula	C₃H₆O	Molecular Weight	58.08

S.NO.	TEST	SPECIFICATIONS	RESULTS	TEST METHOD REF.
1	Description	A clear and colourless liquid having characteristic odour.	Complies	Ph Eur 10 th edition
2	Solubility	Miscible with water & methanol forming a clear & colourless solution.	Complies	Ph Eur 10 th edition
3	Identification (FTIR)	Passes test	Complies	In house development
4	Minimum Assay (By GC)	99.5%	99.86%	ACS 11 th edition
5	Wt. per ml at 20°C	0.789 - 0.792 g	0.791 g	Ph Eur 10 th edition
6	Specific Gravity at 25°C	Not more than 0.789	0.789	USP 36,NF 31
7	Refractive index (n) _D ²⁰	1.358 - 1.360	1.358	Ph Eur 10 th edition

MAXIMUM LIMITS OF IMPURITIES :

8	Colour	10 Hz	< 10 Hz	Ph Eur 10 th edition
9	Water (H ₂ O)	0.2%	0.14%	Ph Eur 10 th edition/ 2020 Method
10	Acidity (CH ₃ COOH)	0.002%	0.0012%	ACS 11 th edition
11	Alkalinity(NH ₃)	0.0005%	NIL	ACS 11 th edition
12	Non volatile matter	0.001%	0.0005%	ACS 11 th edition
13	Aldehyde (HCHO)	0.002%	0.001%	ACS 11 th edition
14	Aluminium (Al)	0.00001%	<0.00001%	In house development
15	Barium (Ba)	0.000005%	<0.000005%	In house development

(This is a computer printed report hence valid without signature)

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16	Cadmium (Cd)	0.000005%	<0.000005%	In house development
17	Calcium (Ca)	0.00005%	<0.00005%	In house development
18	Chromium (Cr)	0.000002%	<0.000002%	In house development
19	Cobalt (Co)	0.000002%	<0.000002%	In house development
20	Copper (Cu)	0.000002%	<0.000002%	In house development
21	Iron (Fe)	0.00002%	0.00001%	Vogel's fifth edition Quantitative chemical Analysis
22	Lead (Pb)	0.000005%	NIL	In house development
23	Magnesium (Mg)	0.00001%	<0.00001%	In house development
24	Manganese (Mn)	0.000002%	<0.000002%	In house development
25	Nickel (Ni)	0.000002%	<0.000002%	In house development
26	Potassium (K)	0.00001%	<0.00001%	In house development
27	Sodium (Na)	0.0001%	<0.0001%	In house development
28	Strontium (Sr)	0.000002%	<0.000002%	In house development
29	Zinc (Zn)	0.00005%	<0.00005%	In house development
30	Substance reducing permanganate (O)	0.0002%	<0.0002%	ACS 11 th edition
31	Benzene content (C ₆ H ₆) (By GCHS)	2 ppm w/v	<2 ppm w/v	USP-36,2013
32	Propan-2-ol	0.05%v/v	<0.05%v/v	In house development
33	Methanol (CH ₃ OH)	0.05%v/v	<0.05%v/v	In house development
34	Related substances (any other impurity)	0.05%v/v	<0.05%v/v	In house development

Packing is found to be Satisfactory / Not Satisfactory

THE ABOVE BATCH MATERIAL COMPLIES WITH THE PRESCRIBED QUALITY STANDARD AS ABOVE.
 Measured values given in this Certificate of Analysis are the results determined at the time of Analysis.
 The above data do not relieve the user from analyzing the product upon receipt. Any legally binding Assurance regarding the suitability of the product for any particular purpose or use cannot be derived thereof.
The results relate only to the sample tested.

This certificate shall not be reproduced except in full, without written consent of the Lab management.

Sampling SOP : SDFCL-POI-SOP-001
Sampling Plan : (Sq.root of N+1)

For S D FINE-CHEM LIMITED, POICHA

(Authorized Signatory)
 Manager Quality Control

.....END OF REPORT.....

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