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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 : 28/01/2021
Testing started on : 28/01/2021
Testing completed on : 28/01/2021
Date of Reporting : 21/04/2023

Name Of The Product	ACETIC ACID GLACIAL SUPRAPURE & P-TEST		
Batch No.:	B21A/0821/0102/31	Product Code	20001
Mfg. Date	FEB.-2021	Reassessment Date	JAN.-2024
Specification Reference	20001SP05	Lab ID	RM/2021/02001
CASR No.	64-19-7	Certificate No.:	010221/08
Molecular Formula	CH₃COOH	Molecular Weight	60.05

S.NO.	TEST	SPECIFICATIONS	RESULTS	TEST METHOD REF.
1	Description	A clear colourless liquid, with a characteristic odour.	Complies	Ph Eur 6.0 th edition
2	Solubility	Miscible with water, with ethanol (96%), and with methylene chloride forming a clear & colourless solution.	Complies	BP 2011
3	Identification (A & B)	Passes test.	Complies	BP 2011 & IP 2010
4	Assay (acidimetric)	99.8 - 100.5%	99.86%	BP 2018
5	Wt. per ml at 20°C	1.048 - 1.050 g	1.049 g	Ph Eur 6.0 th edition
6	Freezing Point	Not lower than 15.6°C	16.2°C	ACS 10 th edition
MAXIMUM LIMITS OF IMPURITIES :				
7	Water	0.2%	0.14%	Ph Eur 6.0 th edition
8	Water insoluble matter	Passes test.	Complies	ACS 10 th edition
9	Non Volatile Matter	0.001%	0.0006%	ACS 10 th edition
10	Chloride (Cl)	0.0001%	<0.0001%	ACS 10 th edition
11	Formate(HCOO)	0.01%	0.01%	IS 695-1975
12	Sulphate (SO ₄)	0.0001%	0.000051%	ACS 10 th edition
13	Arsenic (As)	0.0001%	NIL	In house development
14	Iron (Fe)	0.00002%	0.00001%	Vogel's fifth edition Quantitative chemical Analysis
15	Lead (Pb)	0.00005%	NIL	ACS 2000
16	Copper (Cu)	0.0005%	0.0001%	Vogel's fifth edition Quantitative chemical Analysis

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17	Zinc (Zn)	0.0005%	<0.0005%	In house development
18	Cadmium (Cd)	0.00001%	<0.00001%	In house development
19	Substances reducing Permanganate	Passes test.	Complies	ACS 11 th edition
20	Substances reducing Dichromate	Passes test.	Complies	ACS 11 th edition
21	Acetaldehyde (CH ₃ CHO)	0.0002%	<0.0002%	BP 2004 / In house development
22	Acetic Anhydride (CH ₃ CO) ₂ O	0.2%	0.1%	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

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