

### CERTIFICATE OF ANALYSIS

QUALITY CONTROL LABORATORY of SDFCL Mfg. Unit No.2  
 Survey No.299, Poicha(R), -391 780, Taluka : Savli, District : Vadodara , Gujarat

**Testing started on** : 03/05/2022  
**Testing completed on** : 03/05/2022  
**Date of Reporting** : 22/06/2022

<b>Name Of The Product</b>	<b>ACETIC ACID GLACIAL SUPRAPURE &amp; P-TEST</b>		
<b>Batch No.:</b>	<b>E22A/0122/0305/31</b>	<b>Product Code</b>	<b>20001</b>
<b>Mfg. Date</b>	<b>MAY.-2022</b>	<b>Reassessment Date</b>	<b>APR.-2025</b>
<b>Specification Reference</b>	<b>20001SP05</b>	<b>Lab ID</b>	<b>RM/2223/05002</b>
<b>CASR No.</b>	<b>64-19-7</b>	<b>Certificate No.:</b>	<b>030522/01</b>
<b>Molecular Formula</b>	<b>CH<sub>3</sub>COOH</b>	<b>Molecular Weight</b>	<b>60.05</b>

S.NO.	TEST	SPECIFICATIONS	RESULTS	TEST METHOD REF.
1	Description	A clear colourless liquid, with a characteristic odour.	Complies	Ph Eur 6.0 <sup>th</sup> 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%	99.89%	BP 2018
5	Wt. per ml at 20°C	1.048 - 1.050 g	1.049 g	Ph Eur 6.0 <sup>th</sup> edition
6	Freezing Point	Not lower than 15.6°C	16.4°C	ACS 10 <sup>th</sup> edition
<b>MAXIMUM LIMITS OF IMPURITIES :</b>				
7	Water	0.2%	0.10%	Ph Eur 6.0 <sup>th</sup> edition
8	Water insoluble matter	Passes test.	Complies	ACS 10 <sup>th</sup> edition
9	Non Volatile Matter	0.001%	0.0008%	ACS 10 <sup>th</sup> edition
10	Chloride (Cl)	0.0001%	<0.0001%	ACS 10 <sup>th</sup> edition
11	Formate(HCOO)	0.01%	0.006%	IS 695-1975
12	Sulphate (SO <sub>4</sub> )	0.0001%	0.00005%	ACS 10 <sup>th</sup> 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%	0.00015%	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 <sup>th</sup> edition
20	Substances reducing Dichromate	Passes test.	Complies	ACS 11 <sup>th</sup> edition
21	Acetaldehyde (CH <sub>3</sub> CHO)	0.0002%	<0.0002%	BP 2004
22	Acetic Anhydride (CH <sub>3</sub> CO) <sub>2</sub> O	0.2%	0.12%	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.**

**For S D FINE-CHEM LIMITED, POICHA**

**(Authorized Signatory)**  
**Manager Quality Control**

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