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### CERTIFICATE OF ANALYSIS

QUALITY CONTROL LABORATORY of SDFCL Mfg. Unit No.2  
 Survey No.299, Poicha(R), -391780, Taluka : Savli, District : Vadodara , Gujarat  
 NABL ACCREDITED TC-6881 ISO/IEC 17025 : 2017 For Chemical Testing

ULR No: TC6881200000000146P

1. Discipline: Chemical Testing

I. Group: Chemical

<b>Name of Product</b>	<b>ACETIC ACID GLACIAL SUPRAPURE &amp; P-TEST</b>		
<b>Batch No.:</b>	<b>G20A/0520/2306/31</b>	<b>Product Code</b>	<b>20001</b>
<b>Mfg. Date:</b>	<b>JULY.-2020</b>	<b>Reassessment Date:</b>	<b>JUNE.-2023</b>
<b>Specification Ref.:</b>	<b>20001SP05</b>	<b>Lab ID :</b>	<b>RM/2021/06094</b>
<b>CASR No.:</b>	<b>64-19-7</b>	<b>Certificate No.:</b>	<b>R- 230620/05</b>
<b>Molecular Formula:</b>	<b>CH<sub>3</sub>COOH</b>	<b>Molecular Weight:</b>	<b>60.05</b>

TEST	SPECIFICATIONS	RESULTS	TEST METHOD REF.
*Description	A clear colourless liquid, with a characteristic odour.	Complies	Ph Eur 6.0 <sup>th</sup> edition
*Solubility	Miscible with water, with ethanol (96%), and with methylene chloride forming a clear & colourless solution.	Complies	BP 2011
*Identification (A & B)	Passes test.	Complies	BP 2011 & IP 2010
Assay (acidimetric)	99.8 - 100.5%	99.91%	BP 2018
*Wt. per ml at 20°C	1.048 - 1.050 g	1.049 g	Ph Eur 6.0 <sup>th</sup> edition
*Freezing Point	Not lower than 15.6°C	16.2°C	ACS 10 <sup>th</sup> edition
<b>MAXIMUM LIMITS OF IMPURITIES :</b>			
*Water	0.2%	0.14%	Ph Eur 6.0 <sup>th</sup> edition
*Water insoluble matter	Passes test.	Complies	ACS 10 <sup>th</sup> edition
*Non Volatile Matter	0.001%	0.0004%	ACS 10 <sup>th</sup> edition
*Chloride (Cl)	0.0001%	<0.0001%	ACS 10 <sup>th</sup> edition
*Formate(HCOO)	0.01%	0.0067%	IS 695-1975
*Sulphate (SO <sub>4</sub> )	0.0001%	0.000052%	ACS 10 <sup>th</sup> edition
*Arsenic (As)	0.0001%	NIL	In house development
*Iron (Fe)	0.00002%	0.00001%	Vogel's fifth edition Quantitative chemical Analysis
*Lead (Pb)	0.00005%	NIL	ACS 2000
*Copper (Cu)	0.0005%	0.0002%	Vogel's fifth edition Quantitative chemical Analysis
*Zinc (Zn)	0.0005%	<0.0005%	In house development
*Cadmium (Cd)	0.00001%	<0.00001%	In house development

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

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*Substances reducing Permanganate	Passes test.	Complies	ACS 11 <sup>th</sup> edition
*Substances reducing Dichromate	Passes test.	Complies	ACS 11 <sup>th</sup> edition
*Acetaldehyde (CH <sub>3</sub> CHO)	0.0002%	<0.0002%	BP 2004
*Acetic Anhydride (CH <sub>3</sub> CO) <sub>2</sub> O	0.2%	0.1%	In house development

**“The tests marked with an \* are not accredited by NABL (ISO/IEC 17025:2017)”.**

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.  
This product is manufactured at our manufacturing unit no.2**

**Sampling SOP No.** : SDFCL-POI-SOP-001  
**Sampling Plan** : A (Sq. root of N+1)  
**Spl.Ref. (if any)** : -

**For S D FINE-CHEM LIMITED**  
**(Authorized Signatory)**

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