

### 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** : 15/02/2022  
**Testing completed on** : 15/02/2022  
**Date of Reporting** : 08/04/2022

<b>Name Of The Product</b>	<b>L- (+) - LACTIC ACID AR</b>		
<b>Batch No.:</b>	<b>B22A/0422/1002/31</b>	<b>Product Code</b>	<b>20138</b>
<b>Mfg. Date</b>	<b>FEB.-2022</b>	<b>Reassessment Date</b>	<b>JAN.-2027</b>
<b>Specification Reference</b>	<b>20138SP02</b>	<b>Lab ID</b>	<b>RM/2122/02028</b>
<b>CASR No.</b>	<b>79-33-4</b>	<b>Certificate No.:</b>	<b>100222/04</b>
<b>Molecular Formula</b>	<b>CH<sub>3</sub>CHOHCOOH</b>	<b>Molecular Weight</b>	<b>90.08</b>

S.NO.	TEST	SPECIFICATIONS	RESULTS	TEST METHOD REF.
1	Description	A clear odourless syrupy liquid not more than 20 Hazen units in colour. 2-15% of the acid is normally present in the form of anhydrides.	Complies	Ph Eur 6.0 <sup>th</sup> edition
2	Solubility	Miscible with water & absolute industrial methylated spirit forming clear & colourless solution.	Complies	Ph Eur 6.0 <sup>th</sup> edition
3	Minimum Assay (Titrimetric after hydrolysis of anhydrides)	88.0%	88.38%	BP- 2004
4	Wt.per ml at 20°C	About 1.200 - 1.206 g	1.206 g	Ph Eur 6.0 <sup>th</sup> edition
<b>MAXIMUM LIMITS OF IMPURITIES :</b>				
6	Sulphated ash	0.01%	0.004%	ACS 10 <sup>th</sup> edition
7	Chloride (Cl)	0.001%	0.00054%	ACS 2000
8	Sulphate (SO <sub>4</sub> )	0.005%	0.0025%	In house development
9	Arsenic (As)	0.00001%	<0.00001%	In house development
10	Copper (Cu)	0.0001%	0.00004%	Vogel's fifth edition Quantitative chemical Analysis
11	Iron (Fe)	0.0002%	0.00008%	Vogel's fifth edition Quantitative chemical Analysis
12	Lead (Pb)	0.0001%	<0.0001%	ACS 2000
13	Reducing sugars	No reaction	Complies	In house development

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- **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**

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

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