

### 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 : 2005 For Chemical Testing

**ULR No:** TC68811900000075P

**1. Discipline:** Chemical Testing

**I. Group:** Chemical

<b>Name of Product</b>	<b>HYDROCHLORIC ACID 35 - 38% (1.18) AR (meet Analytical specification of BP, Ph.Eur)</b>		
<b>Batch No.:</b>	<b>G19A/1319/0407/31</b>	<b>Product Code</b>	<b>20125</b>
<b>Mfg. Date:</b>	<b>JULY-2019</b>	<b>Reassessment Date:</b>	<b>JUNE.-2024</b>
<b>Specification Ref.:</b>	<b>20125SP03</b>	<b>Lab ID :</b>	<b>RM/1920/07024</b>
<b>CASR No.:</b>	<b>7647-01-0</b>	<b>Certificate No.:</b>	<b>R- 040719/13</b>
<b>Molecular Formula:</b>	<b>HCl</b>	<b>Molecular Weight:</b>	<b>36.46</b>

TEST	SPECIFICATIONS	RESULTS	TEST METHOD REF.
*Description	A clear liquid not more than 10 Hazen units in colour.	Complies	Ph Eur 6.0 <sup>th</sup> edition
*Appearance of solution	Miscible with water forming clear solution.	Complies	Ph Eur 6.0 <sup>th</sup> edition
Assay	35.0 - 38.0%	35.87%	USP 40 NF 35
*Identification test	Passes test	Complies	Ph Eur 6.0 <sup>th</sup> edition
*Relative density	Abt. 1.18	1.182	Ph Eur 6.0 <sup>th</sup> edition
<b>MAXIMUM LIMITS OF IMPURITIES :</b>			
*Non volatile matter	0.001%	0.0006%	ACS 10 <sup>th</sup> edition
*Free chlorine (Cl)	0.0002%	<0.0002%	In house development
*Sulphate (SO <sub>4</sub> )	0.0005%	0.0002%	IP 1996
*Sulphite (SO <sub>3</sub> )	0.0001%	0.00004%	In house development
*Aluminium (Al)	0.00005%	<0.00005%	In house development
*Ammonium (NH <sub>4</sub> )	0.0003%	0.00021%	In house development
*Arsenic (As)	0.000002%	NIL	In house development
*Copper (Cu)	0.00001%	0.000006%	Vogel's fifth edition Quantitative chemical Analysis
*Iron (Fe)	0.00004%	0.000032%	Vogel's fifth edition Quantitative chemical Analysis
*Heavy metals as (Pb)	0.00005%	NIL	ACS 2000

**"The tests marked with an \* are not accredited by NABL (ISO/IEC 17025:2005)".**

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



**Regd. Office** : 315 TV Industrial Area, 248 Worli Road, Mumbai-400 030, India.  
**Admin. Office:** 1502, Marathon Icon, Marathon Nextgen Off Ganpatrao Kadam Marg,  
Veer Santaji Marg, Lower Parel, Mumbai - 400 013  
**E-mail** : [technical@sdfine.com](mailto:technical@sdfine.com); **Web site** : [www.sdfine.com](http://www.sdfine.com)  
**Tel** : 022-24814444 **Extn.** : 4510, 4507

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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)**

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

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