

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; Web site : www.sdfine.com
Tel : 022-24814444 **Extn.** : 4510, 4507

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 : 28/04/2022
Testing started on : 28/04/2022
Testing completed on : 28/04/2022
Date of Reporting : 19/12/2022

Name Of The Product	HYDROCHLORIC ACID 35 - 38% (1.18) AR (meet Analytical specification of BP, Ph.Eur)		
Batch No.:	L222/1222/2404/31	Product Code	20125
Mfg. Date	DEC.-2022	Reassessment Date	NOV.-2027
Specification Reference	20125SP03	Lab ID	RM/2223/04020
CASR No.	7647-01-0	Certificate No.:	240422/12
Molecular Formula	HCl	Molecular Weight	36.46

S.NO.	TEST	SPECIFICATIONS	RESULTS	TEST METHOD REF.
1	Description	A clear liquid not more than 10 Hazen units in colour.	Complies	Ph Eur 6.0 th edition
2	Appearance of solution	Miscible with water forming clear solution.	Complies	Ph Eur 6.0 th edition
3	Assay	35.0 - 38.0%	35.97%	USP 41, NF 36, 2018
4	Identification test	Passes test	Complies	Ph Eur 6.0 th edition
5	Relative density	Abt. 1.18	1.184 g	Ph Eur 6.0 th edition
MAXIMUM LIMITS OF IMPURITIES :				
6	Non volatile matter	0.001%	0.0002%	ACS 10 th edition
7	Free chlorine (Cl)	0.0002%	<0.0002%	In house development
8	Sulphate (SO ₄)	0.0005%	0.00028%	IP 1996
9	Sulphite (SO ₃)	0.0001%	0.00008%	In house development
10	Aluminium (Al)	0.00005%	<0.00005%	In house development
11	Ammonium (NH ₄)	0.0003%	0.00018%	In house development
12	Arsenic (As)	0.000002%	NIL	In house development
13	Copper (Cu)	0.00001%	0.000006%	Vogel's fifth edition Quantitative chemical Analysis
14	Iron (Fe)	0.00004%	0.000002%	Vogel's fifth edition Quantitative chemical Analysis
15	Heavy metals as (Pb)	0.00005%	NIL	ACS 2000

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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.

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**

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

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