

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: TC688120000000233P

1. Discipline: Chemical Testing

I. Group: Chemical

| | | | |
|----------------------------|---|---------------------------|----------------------|
| Name of Product | HYDROCHLORIC ACID 35 - 38% (1.18) AR (meet Analytical specification of BP, Ph.Eur) | | |
| Batch No.: | L20A/0120/1012/31 | Product Code | 20125 |
| Mfg. Date: | DEC.-2020 | Reassessment Date: | NOV.-2025 |
| Specification Ref.: | 20125SP03 | Lab ID : | RM/2021/12015 |
| CASR No.: | 7647-01-0 | Certificate No.: | R- 101220/01 |
| Molecular Formula: | HCl | Molecular Weight: | 36.46 |

| TEST | SPECIFICATIONS | RESULTS | TEST METHOD REF. |
|---------------------------------------|--|-----------|---|
| *Description | A clear liquid not more than 10 Hazen units in colour. | Complies | Ph Eur 6.0 th edition |
| *Appearance of solution | Miscible with water forming clear solution. | Complies | Ph Eur 6.0 th edition |
| Assay | 35.0 - 38.0% | 35.86% | USP 41, NF 36, 2018 |
| *Identification test | Passes test | Complies | Ph Eur 6.0 th edition |
| *Relative density | Abt. 1.18 | 1.182 g | Ph Eur 6.0 th edition |
| MAXIMUM LIMITS OF IMPURITIES : | | | |
| *Non volatile matter | 0.001% | 0.0005% | ACS 10 th edition |
| *Free chlorine (Cl) | 0.0002% | <0.0002% | In house development |
| *Sulphate (SO ₄) | 0.0005% | 0.00027% | IP 1996 |
| *Sulphite (SO ₃) | 0.0001% | 0.00004% | In house development |
| *Aluminium (Al) | 0.00005% | <0.00005% | In house development |
| *Ammonium (NH ₄) | 0.0003% | 0.00024% | In house development |
| *Arsenic (As) | 0.000002% | NIL | In house development |
| *Copper (Cu) | 0.00001% | 0.00001% | Vogel's fifth edition Quantitative chemical Analysis |
| *Iron (Fe) | 0.00004% | 0.000016% | Vogel's fifth edition Quantitative chemical Analysis |
| *Heavy metals as (Pb) | 0.00005% | NIL | ACS 2000 |

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

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



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“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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