

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

LAB ID.	: RM/2122/05043	CERTIFICATE NO.	: 130521/01
NAME OF PRODUCT: PERCHLORIC ACID 60% AR			
BATCH NO.	: E21A/0121/1305/31		
PRODUCT CODE	: 20175	SPECIFICATION REF.:	20175SP01
MFG. DATE	: MAY.-2021	REASSESSMENT DATE:	APR.-2026

CASR NO. (7601-90-3)
HClO₄ **M. W. : 100.46**

TEST	SPECIFICATIONS	RESULTS	TEST METHOD REF.
*Description	A clear liquid, colour not more than 10 Hz units.	Complies	Ph Eur 6.0 th edition
*Solubility	Mix 50 ml with 50 ml of water.the soln.is clear & colourless with no separate phases.	Complies	Ph Eur 6.0 th edition
*Minimum Assay (By acidimetric)	60.0%	60.56%	In house development
*Wt. per ml at 20°C	About 1.53 g	1.550 g	Ph Eur 6.0 th edition
MAXIMUM LIMITS OF IMPURITIES :			
*Substances insoluble in ethanol	Passes test	Passes test	In house development
*Residue on ignition (as Sulphates)	0.003%	0.001%	Ph Eur 6.0 th edition
*Chloride (Cl)	0.0003%	0.00016%	ACS 2000
*Free chlorine(Cl ₂)	0.00005%	<0.00005%	In house development
*Nitrogen compounds(N)	0.002%	0.0004%	In house development
*Phosphate & Silicate(SiO ₂)	0.005%	0.002%	In house development
*Sulphate (SO ₄)	0.001%	0.00054%	In house development
*Cadmium (Cd)	0.00001%	<0.00001%	In house development
*Copper (Cu)	0.00001%	0.000006%	Vogel's fifth edition Quantitative chemical Analysis
*Iron (Fe)	0.0002%	0.00007%	Vogel's fifth edition Quantitative chemical Analysis
*Lead (Pb)	0.00001%	<0.00001%	ACS 2000
*Manganese (Mn)	0.00005%	<0.00005%	In house development

.END OF REPORT.

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



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*Silver(Ag)	0.0005%	0.0002%	In house development
*Zinc (Zn)	0.00005%	<0.00005%	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 result 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 (Poicha)**

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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