

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 T-3669 ISO/IEC 17025 : 2005 For Chemical (Fine Chemical)

LAB ID.	: RM/1819/03035	CERTIFICATE NO.	: 060319/08
NAME OF PRODUCT:	PERCHLORIC ACID 70% UR“UNIVERSAL REAGENT” Passes FOR AR DIAMOND INDUSTRY		
BATCH NO.	: C19A/0819/0603/32	SPECIFICATION REF.:	20176URSP00
PRODUCT CODE	: 20176UR	REASSESSMENT DATE:	FEB.-2024
MFG. DATE	: MAR.-2019		

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 Hazen units.	Complies	Ph Eur 6.0 th edition
*Solubility	Mix 50 ml with 50 ml of water.the soln. is clear colourless with no opalescence with no separate phases.	Complies	Ph Eur 6.0 th edition
*Minimum Assay (By acidimetric)	70.0%	70.67%	In house development
*Wt. per ml at 20°C	About 1.67 g	1.690 g	Ph Eur 6.0 th edition
*Substance insoluble in ethanol	Passes test.	Passes test.	In house development
MAXIMUM LIMITS OF IMPURITIES :			
*Residue on Ignition(as SO ₄)	0.003%	0.0013%	Ph Eur 6.0 th edition
*Chloride(Cl)	0.0003%	0.00019%	ACS 2000
*Free chlorine(Cl ₂)	0.00005%	<0.00005%	In house development
*Nitrogen compounds(N)	0.001%	<0.001%	In house development
*Phosphate & Silicate(SiO ₂)	0.0005%	0.0002%	In house development
*Sulphate(SO ₄)	0.001%	0.00049%	In house development
*Cadmium (Cd)	0.000005%	<0.000005%	In house development
*Copper (Cu)	0.00001%	0.000006%	Vogel's fifth edition Quantitative chemical Analysis

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

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

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*Iron (Fe)	0.0001%	0.00005%	Vogel's fifth edition Quantitative chemical analysis
*Lead (Pb)	0.000005%	NIL	ACS 2000
*Manganese(Mn)	0.000005%	0.000002%	In house development
*Silver (Ag)	0.00001%	0.000004%	In house development
* Zinc(Zn)	0.00001%	<0.00005%	In house development
*Strontium(Sr)	0.000005%	<0.000005%	In house development
*Titanium(Ti)	0.00001%	<0.00001%	In house development
*Nickel(Ni)	0.00001%	<0.00001%	In house development
*Pottassium(K)	0.00001%	<0.00001%	In house development
*Sodium(Na)	0.0001%	<0.0001%	In house development
*Chlorate(ClO ₃)	0.001%	<0.001%	In house development
*Aluminium(Al)	0.00001%	<0.00001%	In house development
*Arsenic (As)	0.000005%	<0.000005%	In house development
*Barium(Ba)	0.000005%	<0.000005%	In house development
*Beryllium(Be)	0.000005%	<0.000005%	In house development
*Bismuth(Bi)	0.00001%	<0.00001%	In house development
*Calcium(Ca)	0.00005%	<0.00005%	In house development
*Lithium(Li)	0.000005%	<0.000005%	In house development
*Magnesium(Mg)	0.00005%	<0.00005%	In house development

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

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

For S D FINE-CHEM LIMITED

Sampling Plan : A (Sq. root of N+1)

Spl.Ref. (if any) : -

(Authorised Signatory)

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

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