

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 : 07/02/2023
Testing started on : 07/02/2023
Testing completed on : 08/02/2023
Date of Reporting : 02/03/2023

Name Of The Product	ORTHOPHOSPHORIC ACID SP.GR. 1.75 AR		
Batch No.:	B23A/1323/1701/31	Product Code	20173
Mfg. Date	FEB.-2023	Reassessment Date	JAN.-2028
Specification Reference	20173SP02	Lab ID	RM/2223/01081
CASR No.	7664-38-2	Certificate No.:	170123/13
Molecular Formula	H₃PO₄	Molecular Weight	98.00

S.NO.	TEST	SPECIFICATIONS	RESULTS	TEST METHOD REF.
1	Description	A clear viscous liquid not more than 10 Hazen units in colour.	Complies	Ph Eur 6.0 th edition
2	Solubility	Miscible with water, forming clear & colourless solution.	Complies	Ph Eur 6.0 th edition
3	Minimum Assay (By titrimetry)	88.0%	88.69%	USP 41,NF 36,2018
4	Wt.per ml at 20°C	About 1.75 g	1.734 g	Ph Eur 6.0 th edition
MAXIMUM LIMITS OF IMPURITIES :				
5	Chloride (Cl)	0.0015%	0.0005%	ACS 2000
6	Nitrate(NO ₃)	0.0005%	Complies	ACS 10 th edition
7	Silicate (SiO ₂)	0.025%	Complies	In house development
8	Sulphate (SO ₄)	0.002%	0.0011%	ACS 10 th edition
9	Arsenic (As)	0.0001%	Complies	In house development
10	Calcium(Ca)	0.004%	Complies	In house development
11	Copper (Cu)	0.0005%	Complies	In house development
12	Iron (Fe)	0.0015%	0.0008%	Vogel's fifth edition Quantitative chemical Analysis
13	Lead (Pb)	0.001%	^0.0005%	ACS 2000
14	Magnesium (Mg)	0.004%	Complies	In house development
15	Manganese (Mn)	0.0005%	<0.0005%	In house development
16	Substance reducing permanganate	0.001%	<0.001%	In house development
17	Volatile acids (as CH ₃ COOH)	0.001%	<0.001%	In house development

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



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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.....

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