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### CERTIFICATE OF ANALYSIS

#### QUALITY CONTROL LABORATORY

of SDFCL Mfg. Unit No. 1

E27/ E28, MIDC, Tarapur Industrial Area, B-Road, Boisar-401506, Maharashtra

LAB. ID : RM/2122/1206 CERTIFICATE NO. : 121121/14  
NAME OF PRODUCT : FERROUS SULPHATE AR, ACS  
: Meets analytical specification of IP, BP, USP, Ph.Eur.  
BATCH NO : K21A/1421/1211/31 DATE OF ANALYSIS : 15.11.2021  
PRODUCT CODE : 20112 SPECIFICATION REF. : 20112SP03  
MFG. DATE : NOVEMBER-2021 RETEST DATE : OCTOBER-2022

CASR NO : (7782-63-0)

FeSO<sub>4</sub>.7H<sub>2</sub>O

M.W. : 278.01

TEST	SPECIFICATIONS	RESULTS	TEST METHOD REF.
Description	Bluish green crystals or light green crystalline powder.	Complies	IP-2014
Solubility	10% solution in a mixture of freshly boiled, cooled water and dilute sulphuric acid is clear and bright.	Complies	IP-2014
Identification	Passes test.	Complies	IP-2014
Minimum Assay (Redox Titration)	99.5%	100.12%	SDFCL-TAR-STP-20122
pH of 5% soln in water.	3 - 4	3.43	IP-2014
<b>MAXIMUM LIMIT OF IMPURITIES</b>			
Chloride (Cl)	0.0005%	Complies[<0.0005%]	ACS 10th Edition
Nitrogen compound (N)	0.001%	Complies[<0.001%]	Analar 8 <sup>th</sup> Edition
Arsenic (As)	0.0002%	Complies[<0.0002%]	Analar 8 <sup>th</sup> Edition
Copper (Cu)	0.001%	Complies[<0.001%]	Analar 8 <sup>th</sup> Edition
Ferric ion (Fe <sup>3+</sup> )	0.1%	Complies[<0.1%]	SDFCL-TAR-STP-20122
Lead (Pb)	0.0005%	Complies[<0.0005%]	Analar 8 <sup>th</sup> Edition
Manganese (Mn)	0.05%	Complies[<0.05%]	Analar 8 <sup>th</sup> Edition
Mercury (Hg)	0.0002%	Complies[<0.0002%]	Analar 8 <sup>th</sup> Edition
Zinc (Zn)	0.005%	Complies[<0.005%]	Analar 8 <sup>th</sup> Edition
Organic volatile impurities	Excluded by Production process.	Complies	USP 40-2017

THE ABOVE BATCH MATERIAL COMPLIES WITH THE PRESCRIBED QUALITY OF THE STANDARD AS STATED 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 analysing the product upon receipt. Any legally binding assurance regarding the suitability of the product for any particular purpose or use can not 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. 1 (Boisar).**

For S D FINE-CHEM LIMITED

Sampling SOP No. : SDFCL-TAR-SWP-GEN-007  
Sampling Plan : A (Sq. root of N+1)  
Spl. Ref. (if any) :-

(Authorised Signatory)

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

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