

**CERTIFICATE OF ANALYSIS**  
**QUALITY CONTROL LABORATORY**  
 of SDFCL Mfg. Unit No. 1  
 E27/ E28, MIDC, Tarapur Industrial Area, B-Road, Boisar-401506, Maharashtra

<b>LAB. ID</b> : RA/1920/176	<b>CERTIFICATE NO.</b> : RA/1920/176
<b>NAME OF PRODUCT</b> : AMMONIUM FERROUS SULPHATE	
<b>BATCH NO</b> : H193/0618/1611/31	<b>DATE OF ANALYSIS</b> : 31.08.2019
<b>PRODUCT CODE</b> : 20022	<b>SPECIFICATION REF.</b> : 20022SP03
<b>MFG. DATE</b> : AUGUST-2019	<b>RETEST DATE</b> : JANUARY-2020

CASR NO : (7783-85-9)

$(\text{NH}_4)_2\text{Fe}(\text{SO}_4)_2 \cdot 6\text{H}_2\text{O}$       M.W. : 392.13

TEST	SPECIFICATIONS	RESULTS	TEST METHOD REF.
Description	Pale greenish blue crystals or crystalline powder.	Complies	ACS
Solubility	10% solution in freshly boiled and cooled water and dilute sulphuric acid is clear.	Complies	Analar
Minimum Assay (Redox Titration)	99.0%	100.13%	ACS
pH of (5% solution in water)	3.0 - 5.0	4.14	Analar
<b>MAXIMUM LIMIT OF IMPURITIES</b>			
Insoluble matter	0.003%	Complies [ $<0.003\%$ ]	ACS
Chloride (Cl)	0.001%	Complies [ $<0.001\%$ ]	Analar
Phosphate ( $\text{PO}_4$ )	0.002%	Complies [ $<0.002\%$ ]	Analar 8 <sup>th</sup> Edition
Copper (Cu)	0.002%	Complies [ $<0.002\%$ ]	ACS
Ferric ion ( $\text{Fe}^{3+}$ )	0.02%	Complies [ $<0.02\%$ ]	Analar 8 <sup>th</sup> Edition
Lead (Pb)	0.001%	Complies [ $<0.001\%$ ]	ACS
Manganese (Mn)	0.05%	Complies [ $<0.05\%$ ]	ACS
Zinc (Zn)	0.003%	Complies [ $<0.003\%$ ]	ACS

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)