

**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>	: RM/1718/1382	<b>CERTIFICATE NO.</b>	: 201117/11
<b>NAME OF PRODUCT</b>	: CUPRIC SULPHATE PENTAHYDRATE AR, ACS, ISO :[Meets analytical specification of BP, USP, Ph, Eur.]		
<b>BATCH NO</b>	: C19A/1117/2011/31	<b>DATE OF ANALYSIS</b>	: 25.03.2019
<b>PRODUCT CODE</b>	: 20091	<b>SPECIFICATION REF.</b>	: 20091SP03
<b>MFG. DATE</b>	: MARCH-2019	<b>RETEST DATE</b>	: FEBRUARY-2024

CASR NO :(7758-99-8)

TEST	SPECIFICATIONS	RESULTS	TEST METHOD REF.
	<b>CuSO<sub>4</sub>.5H<sub>2</sub>O</b>		<b>M.W. : 249.68</b>
Description	Transparent blue crystals or blue crystalline powder.	Complies	BP-2008
Solubility	10% solution in water is bright blue and clear.	Complies	BP-2008
Identification	Passes test.	Complies	BP-2008
Minimum Assay (Iodometric)	99.5%	99.80%	ACS 10 <sup>th</sup> Edition
Loss on drying (at 250°C)	35 – 36.5%	36.08%	BP-2008
<b>MAXIMUM LIMIT OF IMPURITIES</b>			
Insoluble matter	0.003%	Complies[< 0.003%]	ACS 10 <sup>th</sup> Edition
Chloride (Cl)	0.0005%	Complies[< 0.0005%]	ACS 10 <sup>th</sup> Edition
Nitrogen compounds (N)	0.002%	Complies[<0.002%]	ACS 10 <sup>th</sup> Edition
Arsenic (As)	0.0005%	Complies[< 0.0005%]	Analar 8 <sup>th</sup> Edition
Calcium (Ca)	0.005%	Complies [0.000004%]	ACS 10 <sup>th</sup> Edition
Iron (Fe)	0.003%	Complies [0.00095%]	ACS 10 <sup>th</sup> Edition
Lead (Pb)	0.005%	Complies [0.002%]	ACS 10 <sup>th</sup> Edition
Magnesium (Mg)	0.005%	Complies [0.00018%]	ACS 10 <sup>th</sup> Edition
Nickel (Ni)	0.005%	Complies [0.00023%]	ACS 10 <sup>th</sup> Edition
Potassium (K)	0.001%	Complies [0.0006%]	ACS 10 <sup>th</sup> Edition
Sodium (Na)	0.005%	Complies [0.0048%]	ACS 10 <sup>th</sup> Edition
Zinc (Zn)	0.01%	Complies [0.00023%]	In house
Organic volatile impurities	Meets the requirement.	Complies	ACS 10 <sup>th</sup> Edition

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)

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