

**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/1920/1408	<b>CERTIFICATE NO.</b>	: 231219/16
<b>NAME OF PRODUCT</b>	: CUPRIC NITRATE TRIHYDRATE AR		
<b>BATCH NO</b>	: L19A/1619/2312/31	<b>DATE OF ANALYSIS</b>	: 24.12.2019
<b>PRODUCT CODE</b>	: 20089	<b>SPECIFICATION REF.</b>	: 20089SP02
<b>MFG. DATE</b>	: DECEMBER-2019	<b>RETEST DATE</b>	: NOVEMBER-2024

CASR NO : (10031-43-3)

 Cu(NO<sub>3</sub>)<sub>2</sub>.3H<sub>2</sub>O

M.W. : 241.6

TEST	SPECIFICATIONS	RESULTS	TEST METHOD REF.
Description	Hygroscopic blue crystals with an odour of nitric acid.	Complies.	ACS
Solubility	10% solution in water is bright and clear.	Complies.	ACS
Minimum Assay (Iodometric)	99.5%	99.84%	ACS
pH of (5% solution in water)	> 2.8	3.59	ANALAR
<b>MUM LIMIT OF IMPURITIES</b>			ACS
Insoluble matter	0.003%	< 0.003 %	ACS
Chloride (Cl)	0.001%	Complies [ < 0.001% ]	ACS
Sulphate (SO <sub>4</sub> )	0.0025%	Complies [ < 0.0025 % ]	ACS
Arsenic (As)	0.0001%	Complies [ < 0.0001 % ]	ANALAR 6 <sup>th</sup> Edition
Barium (Ba)	0.005%	Complies [ < 0.005 % ]	ANALAR 6 <sup>th</sup> Edition
Bismuth (Bi)	0.001%	Complies [ < 0.001 % ]	ANALAR
Calcium (Ca)	0.01%	Complies [ < 0.01 % ]	ANALAR
Iron (Fe)	0.005%	Complies [ 0.001% ]	ACS
Lead (Pb)	0.001%	Complies [ < 0.001% ]	ANALAR
Magnesium (Mg)	0.002%	Complies [ < 0.002% ]	ANALAR
Nickel (Ni)	0.01%	Complies [ < 0.01% ]	ANALAR

THE ABOVE BATCH MATERIAL COMPLIES WITH THE PRESCRIBED QUALITY OF THE STANDARD  
 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 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

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

(Authorised Signatory)

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

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