

**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/1819/1700	<b>CERTIFICATE NO.</b>	: 221218/05
<b>NAME OF PRODUCT</b>	:BORIC ACID CRYSTAL AR, ACS, ISO		
	:Meets Analytical Specification of IP/BP/USP/Ph.Eur.		
<b>BATCH NO</b>	: B19A/0518/2212/31	<b>DATE OF ANALYSIS</b>	: 02.02.2019
<b>PRODUCT CODE</b>	: 20058	<b>SPECIFICATION REF.</b>	: 20058SP02
<b>MFG. DATE</b>	: FEBRUARY-2019	<b>RETEST DATE</b>	: JANUARY-2024

CASR NO : (10043-35-3)

	H <sub>3</sub> BO <sub>3</sub>	M.W. : 61.83	
TEST	SPECIFICATIONS	RESULTS	TEST METHOD REF.
Description	A white crystalline powder, colourless, shiny plates greasy to the touch, or white crystals.	Complies	IP-2007
Solubility	10% Solution in hot water is clear and colourless.	Complies	In-house
Identification	Passes tests.	Complies	IP-96
Minimum Assay ((Acidimetric)	99.5%	100.5%	Analar 6 <sup>th</sup> Edition
pH of (3.3% Solution in water)	3.8 - 4.8	4.11	IP-2007
Solubility in ethanol	Passes test.	Complies	IP-2007
Loss on drying (on silica gel for 5 hrs.)	Max.0.5%	0.2%	IP-2007
<b>MAXIMUM LIMIT OF IMPURITIES</b>			
Alcohol insoluble matter	0.005%	Complies [<0.005%]	Analar 6 <sup>th</sup> Edition
Water insoluble matter	0.005%	Complies [<0.005%]	Analar 6 <sup>th</sup> Edition
Chloride (Cl)	0.0002%	Complies [<0.0002%]	Analar 6 <sup>th</sup> Edition
Phosphate (PO <sub>4</sub> )	0.001%	Complies [<0.001%]	Analar 6 <sup>th</sup> Edition
Sulphate (SO <sub>4</sub> )	0.002%	Complies [<0.002%]	Analar 6 <sup>th</sup> Edition
Arsenic (As)	0.0001%	Complies [<0.0001%]	Analar 6 <sup>th</sup> Edition
Calcium (Ca)	0.001%	Complies [<0.001%]	ACS 9 <sup>th</sup> Edition
Copper (Cu)	0.0005%	Complies [<0.0005%]	ACS
Iron (Fe)	0.0002%	Complies [<0.0002%]	Analar 6 <sup>th</sup> Edition
Heavy metals (as Pb)	0.001%	Complies [<0.001%]	ACS 9 <sup>th</sup> Edition
Lead (Pb)	0.0005%	Complies [<0.0005%]	ACS 9 <sup>th</sup> Edition
Magnesium (Mg)	0.001%	Complies [<0.001%]	ACS 9 <sup>th</sup> Edition
Organic matter	Passes test.	Complies.	Ph.Eur.
Substance non volatile with methanol	0.05%	Complies [<0.05%]	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)

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

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