



SDFCL
s d fine-chem limited



Quality Control Dept.

Product Specification

E Control	QC2\DATAD\D:\PS\20058XPS.xls
PRODUCT CODE	20058
PRODUCT NAME	BORIC ACID CRYSTAL AR, ACS, ISO Meets Analytical Specification of IP/BP/USP/Ph.Eur.
SYNONYMS	(Orthoboric acid)
C.I. NO.	--
CASR NO.	(10043-35-3)
ATOMIC OR MOLECULAR FORMULA	H ₃ BO ₃
ATOMIC OR MOLECULAR WEIGHT	61.83
PROPERTIES	Soluble in boiling water, alcohol and glycerol , Noncombustible.



PARAMETER	LIMIT
Description	A white crystalline powder, colourless, shiny plates greasy to the touch, or white crystals.
Solubility	10% Solution in hot water is clear and colourless.
Identification	Passes tests.
Minimum Assay ((Acidimetric)	99.5%
pH of (3.3% Solution in water)	3.8 - 4.8
Solubility in ethanol	Passes test.
Loss on drying (on silica gel for 5 hrs.)	Max.0.5%

MAXIMUM LIMIT OF IMPURITIES

Alcohol insoluble matter	0.005%
Water insoluble matter	0.005%
Chloride (Cl)	0.0002%
Phosphate (PO ₄)	0.001%
Sulphate (SO ₄)	0.002%
Arsenic (As)	0.0001%
Calcium (Ca)	0.001%
Copper (Cu)	0.0005%
Iron (Fe)	0.0002%
Heavy metals (as Pb)	0.001%
Lead (Pb)	0.0005%
Magnesium (Mg)	0.001%
Organic matter	Passes test.
Substance non volatile with methanol	0.05%

Note(s) : Assay (if applicable) method mentioned.

WARNING

Hazard statements: May be harmful if swallowed. May damage fertility.

Precautionary statements

Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required.

Response: If exposed or concerned: Get medical attention advice. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

Disposal: Dispose of contents and container in accordance with relevant legislation.

IMDG Code :--

UN No. :--

IATA :--

Hazard Pictogram(s) :--



Aspiration hazard

Prepared By :	Checked By:	Approved By:	Issue Date : 01.07.2002
Name/Dept. : Officer (Q.A.)	Name/Dept.:Incharge(Q.A.)	Name/Dept. : Incharge (Tech.)	Revision No. : 02
Sign. :	Sign. :	Sign. :	Revision dt. : 02.04.2010
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