

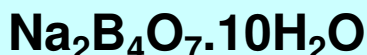


SDFCL
s d fine-CHEM LIMITED
Quality Control Dept.



Product Specification

E Control	QC2\DATAD\PS\20267XPS.xls
PRODUCT CODE	20267
PRODUCT NAME	di-SODIUM TETRABORATE DECAHYDRATE AR Meets Analytical Specification of BP, USP-NF, Ph. Eur
SYNONYMS	(Borax AR)
C.I. NO.	--
CASR NO.	--
ATOMIC OR MOLECULAR FORMULA	Na ₂ B ₄ O ₇ ·10H ₂ O
ATOMIC OR MOLECULAR WEIGHT	381.36
PROPERTIES	Hygroscopic and noncombustible.



PARAMETER	LIMIT
Description	Colourless crystals or a white crystalline powder. Efflorescent in dry air.
Solubility	4% solution in hot water is clear and colourless.
Identification	Passes test.
Assay (Acidimetric)	99.5 - 102.5%
pH (4% solution in water)	9.0 – 9.6
MAXIMUM LIMIT OF IMPURITIES	
Insoluble matter	0.003%
Ammonium	0.001%
Carbonate (CO ₃)	0.05%
Carbonate and bicarbonate	Passes test.
Chloride (Cl)	0.0005%
Phosphate (PO ₄)	0.001%
Sulphate (SO ₄)	0.0025%
Arsenic (As)	0.0002%
Calcium (Ca)	0.005%
Heavy metals (as Pb)	0.002%
Iron (Fe)	0.0005%
Magnesium (Mg)	0.002%
Organic volatile impurities	Meets the requirements.

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

DANGER

Hazard statements : May cause respiratory irritation. Harmful if swallowed. May damage fertility. May damage the unborn child.

Precautionary statements

Prevention : Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Wash hands thoroughly after handling. Obtain special instructions before use. Do not eat, drink or smoke when using this product.

Response : If exposed or concerned: Get medical attention advice. Specific treatment: refer to Label or MSDS.

IMDG Code :--

UN No. :--

IATA :--

Disposal: Dissolve the chemical to be disposed, in water and allow it to run to waste, diluting with large quantities of water.

Hazard Pictogram(s) :



Skin irritation



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.: 04
Sign. :	Sign. :	Sign. :	Revision dt. : 02.04.2010
Date : 01.04.2010	Date : 01.04.2010	Date : 02.04.2010	AMEND NO. : 1554

