



BORIC ACID POWDER AR/ACS

PRODUCT CODE	R03172
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	White fine powder, free from crystals and granules.
Solubility	10% solution in hot water is clear and colourless.
Minimum assay (Acidimetric)	99.5%
pH of (4 % solution in water)	3.8 to 4.8
MAXIMUM LIMIT OF IMPURITIES	
Insoluble matter	0.05%
Chloride (Cl)	0.0002%
Phosphate(PO ₄)	0.001%
Sulphate (SO ₄)	0.001%
Calcium (Ca)	0.002%
Copper (Cu)	0.0002%
Iron (Fe)	0.0002%
Heavy Metals (as Pb)	0.0005%
Substances non volatile with methanol	0.05%
Potassium (K)	0.001%
Sodium (Na)	0.002%
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) :-	

Replace Date 1 April 2023



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