



BORAX DECAHYDRATE AR/ACS

PRODUCT CODE	R03173	
SYNONYMS	--	
C.I. NO.	--	
CASR NO.	(1303-96-4)	
ATOMIC OR MOLECULAR FORMULA	Na₂B₄O₇·10H₂O	
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) :		

Replace Date 1 April 2023

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