



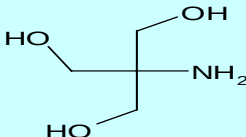
SDFCL
s d fine-CHEM LIMITED

Quality Control Dept.



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Product Specification

E Control	QC2IDATADID:IPSI20315XPS.xls		
PRODUCT CODE	20315		
PRODUCT NAME	TRIS(HYDROXYMETHYL)AMINOMETHANE AR (Meets Analytical Specification of ACS ; USP ; Reag. IP /BP.).		
SYNONYMS	(Tris buffer, Trometamol, 2-Amino-2-(hydroxymethyl)-1,3-propanediol, Tris base , THAM.)		
C.I. NO.	--		
CASR NO.	(77-86-1)		
ATOMIC OR MOLECULAR FORMULA	NH ₂ C(CH ₂ OH) ₃		
ATOMIC OR MOLECULAR WEIGHT	121.14		
PROPERTIES	Corrosive to copper, aluminium, brass. Combustible.		
			
PARAMETER	LIMIT		
Description	A white crystalline powder.		
Solubility	20% solution in HPLC water is clear and not more than 10 APHA in colour.		
Identification (By FTIR)	Conforms.		
Assay (Acidimetric, on dried material)	99.8 - 100.1 %		
Melting Point	168 - 172°C		
pH of (5% solution in water)	10.0 - 11.5		
Loss on drying (at 105°C)	Max. 0.5%		
Sulphated ash	Max. 0.01%		
Water (By KF)	Max. 0.2%		
Maximum UV Absorbance (10% soln.in HPLC water, 1 cm)	at 230 nm 0.6 at 260 nm 0.05 at 280 nm 0.04		
Absorbance	Passes test		
MAXIMUM LIMIT OF IMPURITIES			
Insoluble Matter	0.005%		
Chloride	0.005%		
Sulphate (SO ₄)	0.005%		
Arsenic	0.0001%		
Copper	0.0001%		
Iron	0.0005%		
Lead	0.0001%		
Heavy metal (As pb)	0.0002%		
Note(s) : Assay (if applicable) method mentioned.			
WARNING Hazard statements : Not hazardous. No hazards. Precautionary statements Prevention: ----- Response: ---			IMDG Code : -- UN No. : -- IATA : --
Disposal: The chemical should be mixed with combustible solvent and burnt in a chemical incinerator equipped with burner and scrubber.			
Hazard Pictogram(s) :--			
Prepared By : Name/Dept. : Officer (Q.A.) Sign. : Date : 17.12.2014		Checked By: Name/Dept.:Incharge(Q.A.) Sign. : Date : 17.12.2014.	Approved By: Name/Dept. : Incharge (Tech.) Sign. : Date : 26.12.2014.
			Issue Date : 01.07.2002 Revision No.: 04 Revision dt. : 26.12.2014 AMEND NO. :1660.