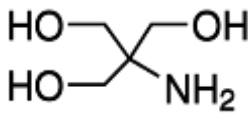




Product Specification

cdhfinechemical.com

TRIS BUFFER MEETS TO USP TESTING SPECIFICATION

PRODUCT CODE	U66402
SYNONYMS	(Tris (hydroxy methyl) amino methane, Trometamol, 2-Amino-2-(hydroxymethyl)-1,3-propanediol) (Tris Hydroxy Methyl Amino Methane) biological Buffer PKA=8.07 at 25°C
C.I. NO.	--
CASR NO.	(77-86-1)
ATOMIC OR MOLECULAR FORMULA	C ₄ H ₁₁ NO 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 (IR Spectrum)	Matches with standard
Identification test (B)	Yellow color produced
Identification test (C)	Color changes from light yellow to orange
Assay (On dry basis)	99 - 101% (Non Injectable Use)
Melting range	168 - 172°C
pH (5% aq. solution)	10.0 -11.5
MAXIMUM LIMIT OF IMPURITIES	
Loss on drying (@105°C 3hr)	1.0%
Residue on ignition	0.1%
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 combustible solvent and burnt in a chemical incinerator equipped with burner and scrubber.	
Hazard Pictogram(s) :--	