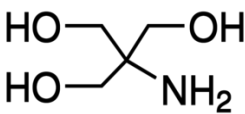


TRIS (HYDROXY METHYL) AMINO METHANE AR

PRODUCT CODE	665425	
SYNONYMS	(Tris buffer, 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	$\text{NH}_2\text{C}(\text{CH}_2\text{OH})_3$	
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.	
Minimum Assay (Acidimetric, on dried material)	99.8%	
MAXIMUM LIMIT OF IMPURITIES		
Loss on drying (at 105°C)	0.5%	
Sulphated ash	0.01%	
Water (By KF)	0.2%	
Maximum UV Absorbance (1 M soln.in HPLC water, 1 cm) at		
260 nm	0.05	
280 nm	0.04	
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		IMDG Code :
Hazard statements : Not hazardous. No hazards.		UN No. :
Precautionary statements		IATA :
Prevention : -----		
Response : ---		
Disposal : The chemical should be mixed combustible solvent and burnt in a chemical incinerator equipped with burner and scrubber.		
Hazard Pictogram(s) :--		