Product Specification

TRIS(HYDROXYMETHYL)AMINOMETHANE

FOR MOLECULAR BIOLOGY

PRODUCT CODE	**998660**
SYNONYMS	**(Tris buffer, Trometamol,2-Amino-2-(hydroxymethyl)-1 ,3-propanediol)**
C.I. NO.	**--**
CASR NO.	**(77-86-1)**
ATOMIC OR MOLECULAR FORMULA	**$NH_2C(CH_2OH)_3$**
ATOMIC OR MOLECULAR WEIGHT	**121.14**
PROPERTIES	**Corrosive to copper, aluminium, brass. Combustible.**

$NH_2C(CH_2OH)_3$

PARAMETER	LIMIT
Description	White crystalline powder.
Solubility	40% 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%
Melting point	168-172°C
pH (of 1M soln. in water)	10.5 – 12.0
MAXIMUM LIMIT OF IMPURITIES	
Loss on drying (at 105°C)	0.5%
Maximum UV Absorbance (1M soln. in HPLC water) at 260 nm	0.04
Maximum UV Absorbance (40% soln.in HPLC water,1cm)at 290 nm	0.05
Insoluble matter	Passes filter test.
Chloride (Cl)	0.002%
Sulphate(SO4)	0.0005%
Iron (Fe)	0.0005%
Heavy metals (as Pb)	0.0002%
RNase Dnase,Protease and phosphatases	None detected.

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) :--