

Tris, Free base, For Molecular Biology

MB029

Product Identifier

CAS No.	:	77-86-1
EC No.	:	201-064-4
Molecular Formula	:	$\text{NH}_2\text{C}(\text{CH}_2\text{OH})_3$
Molecular Weight	:	121.14
Synonym	:	Tris(hydroxymethyl)aminomethane
HS Code	:	2922 50 90
Storage	:	Below 30°C
Shelf life	:	4 years

Technical Specification

Appearance	:	Colourless or white to off-white crystals or powder or chunks or solid
Solubility	:	100 mg soluble in 1 mL of water
DNases	:	None detected
RNases	:	None detected
Proteases	:	None detected
pH (5% in water at 25°C)	:	10.00 - 11.50
FTIR	:	Matches with the standard pattern
Melting range	:	162 - 176°C
Absorbance	:	Passes test
Iron (Fe)	:	$\leq 0.0005\%$
Heavy metals (as Pb)	:	$\leq 0.0005\%$
Insoluble matter	:	$\leq 0.005\%$
Water (K.F.)	:	$\leq 2.00\%$
Assay (HCl/H ₂ SO ₄ /NT Titration, on dry basis)	:	99.80 - 100.10%

Safety Information

Hazard Pictogram(s)	:	
Signal Word	:	Warning
Hazard Statement(s)	:	H315- H319- H335
Precautionary Statement(s)	:	P261- P280- P312- P321- P403 + P233- P501
UN No.	:	Not dangerous goods
Class	:	-
Packing Group	:	-
RTECS	:	TY2900000
WGK	:	1

