

neoFroxx GmbH

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Specification

Product	Tris for molecular biology
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Product number	1115 (revised)
Synonym(s)	2-Amino-2-(hydroxymethyl)-propane-1,3-diol, THAM, Tris base, Tris-(hydroxymethyl)-aminomethane, Trometamol, Tromethamine
Formula	C ₄ H ₁₁ NO ₃
Molecular weight	121.14 g/mol
CAS number	77-86-1
Storage	below 25°C
Retest period (months)	48

Parameter	Specification
Appearance	white crystalline powder
Appearance of solution	clear, colorless
DNases/RNases/Proteases	not detectable
Assay (titr., calc. on dried subst.)	min. 99.9 %
UV abs. (40 % in water)	
260 nm	max. 0.03
280 nm	max. 0.02
Melting point	168 - 173°C
Loss on drying (3 h; 105°C)	max. 0.2 %
pH (1 M in water, 20°C)	10.5 - 11.5
Cu	max. 0.0001 %
Fe	max. 0.0001 %
Pb	max. 0.0001 %

Einhausen, 30.10.2023 (revised)