

neoFroxx GmbH

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Specification

Product	Tris buffer grade for biochemistry
Product number	1137
Synonyms	2-Amino-2-(hydroxymethyl)-propane-1,3-diol, THAM, Tris base, Tris-(hydroxymethyl)-aminomethane, Trometamol, Tromethamine
Formula	$C_4H_{11}NO_3$
Molecular weight	121.14 g/mol
CAS number	77-86-1
Storage	below 25°C
Retest period (months)	48

Parameter	Specification
Assay (titr.) (dried substance)	99 - 100.5 %
Appearance	white crystalline powder
Appearance of solution	clear, colorless
Melting range	168 - 173°C
Loss on drying (105°C, 3 h)	<= 0.5 %
pH (1 M in water, 20°C)	10.5 - 12
Heavy metals (Pb)	<= 0.001 %
Absorbance (40 % in water) (revised)	
280 nm	<= 0.07
400 nm	<= 0.02

Einhausen, 15.04.2025