

neoFroxx GmbH

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Specification

Product	Tris hydrochloride for molecular biology
Product number	1328
Synonyms	2-Amino-2-hydroxymethyl-1,3-propanodiol hydrochloride, Tris-(hydroxymethyl)-Aminomethane hydrochloride, Tromethamine hydrochloride
Formula	$C_4H_{11}NO_3 \cdot HCl$
Molecular weight	157.60 g/mol
CAS number	1185-53-1
Storage	below 25°C
Retest period (months)	48
Parameter	Specification
Assay (titr.)	$\geq 99.5 \%$
Appearance	white crystals
DNases/RNases/Proteases	not detectable
Identity (IR)	corresponds to reference
Solubility (1 M in water)	clear, colorless solution
pH (1 % in water, 20°C)	4.2 - 5
Melting point	149 - 153°C
Water	$\leq 0.5 \%$
Loss on drying	$\leq 0.5 \%$
Absorbance (UV, 1 M in water)	
260 nm	≤ 0.06
280 nm	≤ 0.05
Heavy metals (Pb)	$\leq 0.00005 \%$
Iron (Fe)	$\leq 0.00005 \%$

Einhausen, 03.07.2024