

## Specification

<b>Product</b>	<b>Tris hydrochloride for molecular biology</b>
Brand	GeneON GmbH
Product number	CE234, ff.
Synonym(s)	2-Amino-2-hydroxymethyl-1,3-propanediol hydrochloride, Tris(hydroxymethyl)-Aminomethane hydrochloride, Tromethamine hydrochloride
Formula	C <sub>4</sub> H <sub>11</sub> NO <sub>3</sub> · HCl
Molecular weight	157.60 g/mol
CAS number	1185-53-1
Storage	below 25°C
Retest period (months)	48
<b>Parameter</b>	<b>Specification</b>
Appearance	white crystals
DNases/Rnases/ Proteases	not detectable
IR spectrum	must conform to known reference
Assay (Titration 0.1 N NaOH/dried basis)	min. 99.5 %
Solubility (1.0 M in water)	clear, colorless solution
Melting point	149 - 153°C
Water content (K.F.)	max. 0.5 %
Loss on drying	max. 0.5 %
pH (1.0 % in water)	4.2 - 5.0
Ultraviolet absorbance (1.0 M in water)	A (260) max. 0.06 Abs unit A (280) max. 0.05 Abs unit
Heavy metals (as Pb)	max. 0.00005 %
Fe	max. 0.00005 %