

## Specification

<b>Product</b>	<b>Tris for molecular biology</b>
Brand	GeneON GmbH
Product number	CE237, ff.
Synonym(s)	2-Amino-2-(hydroxymethyl)-propane-1,3-diol, THAM, Tris base, Tris-(hydroxymethyl)-aminomethane, Trometamol, Tromethamine
Formula	C <sub>4</sub> H <sub>11</sub> NO <sub>3</sub>
Molecular weight	121.14 g/mol
CAS number	77-86-1
Storage	below 25°C
Retest period (months)	48
<b>Parameter</b>	<b>Specification</b>
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 %