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## Specification

<b>Product</b>	<b>Tris Buffer grade for biochemistry</b>
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Product number	1137 (revised)
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

Parameter	Specification
Appearance	white crystalline powder
Appearance of solution	clear, colorless
Assay (titr., calc. on dried subst.)	min. 99.0 - 100.5 %
Melting range	168 - 173°C
Loss on drying (3 h; 105°C)	max. 0.5 %
pH (1 M in water, 20°C)	10.5 - 12.0
Heavy metals (as Pb)	max. 0.001 %

Einhausen, 30.10.2023 (revised)