

Tris Molecular Biology Grade

Product	Tris for molecular biology
Cat. no.	E0279
Lot number	6A2298F8
Synonyms	2-Amino-2-(hydroxymethyl)-propane-1,3-diol, THAM, Tris base, Tris-(hydroxymethyl)-aminomethane, Trometamol, Tromethamine
Formula	C ₄ H ₁₁ NO ₃
Molecular weight	121.14 g/mol
CAS number	77-86-1
Storage	below 25°C
Manufacturing date	May 2024
Retest period (months)	48
Retest date	May 2028

Parameter	Specification	Result
Assay (titr.)	>= 99.9%	complies
Appearance	white crystalline powder	complies
Appearance of solution	clear and colorless	complies
DNases/RNases/Proteases	not detectable	complies
Absorbance (UV, 40% in water)		
260 nm	<= 0.03	complies
280 nm	<= 0.02	complies
Melting point	168 - 173°C	169.9 - 171.0°C
Loss on drying (105°C, 3 h)	<= 0.2%	0.15%
pH (1 M in water, 20°C)	10.5 - 11.5	11
Copper (Cu)	<= 0.0001%	complies
Iron (Fe)	<= 0.0001%	complies
Lead (Pb)	<= 0.0001%	complies