

Tris Molecular Biology Grade

Product	Tris for molecular biology
Cat. no.	E0279
Lot number	673B46D3
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