

Product: Tris Hydrochloride, Ultra Pure
[Tris(Hydroxymethyl)Aminomethane Hydrochloride]
Catalog Number: 85855

Formula: C₄H₁₁NO₃•HCl
Formula Weight: 157.60
CAS Number: 1185-53-1

SPECIFICATION

<u>Test</u>	<u>Specification</u>
Appearance	white crystals or crystalline powder
Assay (By titration, on dried basis)	NLT 99.0%
Absorbance (1M solution in water)	
260nm	NMT 0.02
280nm	NMT 0.02
Identification (By IR)	IR matches with known reference
Loss On Drying (110°C)	NMT 0.4%
Melting Point	150°C to 153°C
pH (1M solution in H ₂ O)	3.7 to 4.7
pKa (at 20 degrees C)	8.0 to 8.4
Moisture (by KFT)	NMT 0.50%
Residue on Ignition	NMT 0.1%
Solubility (1M solution in water)	clear, complete and colorless
Heavy Metals (as Pb)	NMT 5 ppm
Iron (By ACS/USP method)	NMT 1 ppm

Additional Information

Storage Conditions 15°C to 30°C
Manufactured Date