

Product: Tris Hydrochloride, Ultra Biopure
Catalog Number: T5505

Formula: $C_4H_{11}NO_3 \cdot HCl$
Formula Weight: 157.60
CAS Number: 1185-53-1

SPECIFICATION

Test	Specification
Appearance	White crystalline powder
Assay (by titration, on dried basis)	NLT 99.0%
Solubility (1M solution in water)	Complete, clear, colorless
Identification (by IR)	Conforms to structure
Loss on Drying (3 hours @ 110°C)	NMT 0.4%
Water (by KF)	NMT 0.5%
pH (1M solution in water at 25°C)	3.7 – 4.7
pKa (at 20°C)	8.0 – 8.4
UV Absorption (1M @260nm)	NMT 0.05
UV Absorption (1M @280nm)	NMT 0.05
Residue on Ignition	NMT 0.1%
Heavy Metals (as Pb)	NMT 5 ppm
Iron (Fe)	NMT 1 ppm
Endotoxin (0.1% solution in H ₂ O)	NMT 0.1 EU/mL
Bioburden	NMT 100 CFU/g

Additional Information

Storage Conditions 15°C to 30°C
Material is of non-animal, non-human origin.