



Material	85855-KE
Material description	TRIS HCl (Tris-(hydroxymethyl) aminomethane hydrochloride)
Grade	Ultra Pure
CAS Number	1185-53-1
Molecular formula	$\text{NH}_2\text{C}(\text{CH}_2\text{OH})_3\cdot\text{HCl}$
Molecular mass	157.60
Storage	Store between 15 °C and 30 °C.

## Characteristics

## Specifications

Assay (titration; dried basis)	≥ 99.5 %
Appearance	White crystalline powder
Identification (IR)	Matches reference
Solubility in water (1 mol/l)	Clear,colorless,complete
Melting point	150 - 153 °C
pH (1 mol/l)	3.7 - 4.7
pKa (20°C)	8.0 - 8.4
Heavy metals (as Pb)	≤ 5 ppm
Loss on drying (110°C)	≤ 0.4 %
Water (KF)	≤ 0.5 %
Residue on ignition	≤ 0.1 %
Fe (Iron)	≤ 1 ppm
Absorbance (260 nm) (1 mol/l)	≤ 0.02
Absorbance (280 nm) (1 mol/l)	≤ 0.02
Country of origin	USA

## Signature

We certify that this batch conforms to the specifications listed above.

This document has been produced electronically and is valid without a signature.

Susan Marra, Quality Assurance Manager - Sanborn  
 VWR Chemicals, LLC; 6351 East Inducon Drive; Sanborn;  
 NY 14132; USA

For Professional use in Laboratory or Manufacturing. Not for use as an Active Pharmaceutical Ingredient or Food or Animal Feed. Suitability and intended use of the product remains the responsibility of the user.