

TRIS HYDROCHLORIDE

About this item

CAS Number: 1185-53-1

Formula: $\text{NH}_2\text{C}(\text{CH}_2\text{OH})_3\cdot\text{HCl}$

MDL Number: MFCD00012590

Melting Pt: 147...153 °C

Molecular Weight: 157.6 g/mol

Merck Index: 12,09902

Density: 1.05 g/ml (20 °C)

: Management of Change (MOC)
category = R

Storage Temperature: Ambient

EINECS: 214-684-5

Specification Test Results

Assay ($\text{NH}_2\text{C}(\text{CH}_2\text{OH})_3\cdot\text{HCl}$):	≥99.0 %
Appearance (colorless crystals to white crystalline powder):	Passes Test
Absorbance of a 1M Solution - 260 nm:	≤0.06
Absorbance of a 1M Solution - 280 nm:	≤0.06
Absorbance of a 1M Solution - 400 nm:	≤0.01
Identification (by IR):	Passes Test
Loss on Drying at 105°C:	≤0.5 %
Endotoxin Concentration (EU/g):	≤2.5

Melting Point:	147 - 153 °C
pH of 0.5M Solution at 25°C:	3.5 - 5.0
Trace Impurities - Arsenic (As):	≤10 ppm
Trace Impurities - Calcium (Ca):	≤10.0 ppm
Trace Impurities - Copper (Cu):	≤10 ppm
Trace Impurities - Iron (Fe):	≤10 ppm
Trace Impurities - Lead (Pb):	≤10 ppm
Trace Impurities - Magnesium (Mg):	≤10 ppm