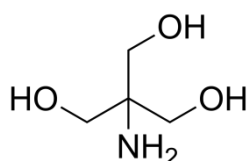


Technical Data Sheet

SFG Tromethamine

Tromethamine
CAS# 77-86-1



Mol. wt. 121.14 g/mol
Formula C₄H₁₁NO₃

Feature

- Mild buffer
- pH Adjuster

Description

SFG Tromethamine is well-known buffer in biochemical reactions. It has pH range of 7~9 by combination of base and salts.

Specifications

Item	Specification
Appearance	White crystal powder
Content (%)	99.5 ~ 101.0
Solubility (1.0M solution in water)	Immediately soluble yielding a clear haze-free solution free of particulates
Melting point (°C)	168.0 ~ 172.0
Moisture (% , Karl Fischer)	≤ 0.3
Residue on ignition (%)	≤ 0.05
pH (5% solution)	10.0 ~ 11.5
UV Absorbance (40%)	
290 nm	≤ 0.2
400 nm	≤ 0.2
Heavy metals	
Pb (ppm)	≤ 5
Fe (ppm)	≤ 5
Cl (ppm)	≤ 3
Secondary amines (anhydrous, %)	≤ 0.5
Nitrosamine (ppb)	≤ 50
Complies with USP/BP/EP	

Storage

Store in a cool and dry place. Keep container closed when not in use.

Shelf life

2 years