

Trometamina USP Multicomp.

About this item

CAS Number: 77-86-1

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

MDL Number: MFCD00004679

Boiling Pt: 357 °C (1013 hPa)

Melting Pt: 169...172 °C

Molecular Weight: 121.14 g/mol

Merck Index: 13,09842

Density: 1.328 g/cm³ (20 °C)

: Management of Change (MOC)
category = R

Storage Temperature: Ambient

EINECS: 201-064-4

Specification Test Results

USP - Assay ($\text{C}_4\text{H}_9\text{NO}_2$):	99.0 - 101.0 %
USP - Identification A:	Passes Test
USP - Identification B:	Passes Test
USP - Identification C:	Passes Test
USP - pH (1 in 20):	10.0 - 11.5
USP - Loss on Drying:	≤1.0 %
USP - Residue on Ignition:	≤0.1 %
USP - Melting Range(Lower):	168 - 172 °C
USP - Melting Range(Upper):	168 - 172 °C
EP/BP - Assay ($\text{C}_4\text{H}_9\text{NO}_2$) (dried basis):	99.0 - 100.5 %
EP/BP - Identification B (melting point):	168 - 174 °C
EP/BP - Identification C:	Passes Test
EP/BP - Appearance of Solution:	Passes Test
EP/BP - pH:	10.0 - 11.5
EP/BP - Related Substances:	≤1.0 %
EP/BP - Chloride (Cl):	≤100 ppm
EP/BP - Iron (Fe):	≤10 ppm
EP/BP - Loss on Drying at 105°C:	≤0.5 %
EP/BP - Ash (sulfated):	≤0.1 %

JPC 1997 - Assay ($\text{C}_4\text{H}_9\text{NO}_2$) (dried basis):	≥99.0 %
JPC 1997 - Identification A:	Passes Test
JPC 1997 - Identification B:	Passes Test
JPC 1997 - pH:	10.3 - 10.7
JPC 1997 - Melting Point:	168 - 172 °C
JP - Clarity and Color of Solution:	Passes Test
JPC 1997 - Heavy Metals (as Pb):	≤8 ppm
JPC 1997 - Arsenic (As):	≤1.6 ppm
JPC 1997 - Loss on Drying:	≤0.5 %
JPC 1997 - Residue on Ignition:	≤0.10 %
Assay ($\text{C}_4\text{H}_9\text{NO}_2$) (dried basis):	≥99.9 %
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
Endotoxin Concentration (EU/g):	≤2.5
Iron (Fe):	≤1 ppm
Lead (Pb):	≤1 ppm