

Product Datasheet

GB1923 - TRIS Ultrapure, 99.9%, Ph.

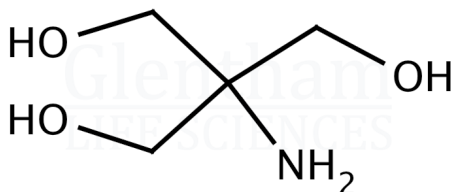
Eur. grade

Product Details

Product Name	TRIS Ultrapure, 99.9%, Ph. Eur. grade
Glentham Code	GB1923
CAS Number	77-86-1
EINECS	201-064-4
MDL Number	MFCD00004679
Additional CAS	83147-39-1
PubChem SID	310281446
Related Categories	APIs, Biochemicals, Buffers, Raw Materials (IVD), PCR, Reagents for Gel Electrophoresis of DNA/RNA, Reagents for Gel Electrophoresis of Proteins, Reagents for Cell Culture, Reagents for Northern and Southern Blotting, Reagents for Western Blotting

Structure

Molecular Weight	: 121.14
Molecular Formula	: $C_4H_{11}NO_3$



Storage

Recommended storage temperature: +20°C.

Hazards and Transport

Not classified as hazardous under CLP.

Not classified as dangerous for transport.

Glentham Product Specification

Physical Description	: White crystalline powder or colourless crystals
Identification (IR)	: To conform to standard
Solubility (1M in water)	: Clear, colourless solution
pH (1M in water)	: 10.5 - 11.5
Water Insoluble Matter	: ≤ 0.005%
Melting Point	: 168.0 - 172.0 °C
UV Absorption (1M in water)	: 290nm: ≤ 0.050
Heavy Metals (as Pb)	: ≤ 1ppm
Iron (Fe)	: ≤ 1ppm
Chloride (Cl)	: ≤ 5ppm
Related Substances (TLC)	: To pass Ph. Eur. test (≤ 1%)
Residue on Ignition	: ≤ 0.1%
Loss on Drying	: ≤ 0.5% (3h, 105°C)
Assay (Titration)	: 99.90 - 100.50 % (dried substance)
Pharmacopoeia Specification(s)	: Ph. Eur.
Version	: v1.1

About TRIS Ultrapure, 99.9%, Ph. Eur. grade

TRIS is a base commonly used as a component of biological buffer solutions for maintaining pH within the physiological range (pH 7-9). It is also used in pharmaceuticals as an emulsifying agent, in the treatment of metabolic acidosis, and as a primary standard for standardising acid solutions.

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