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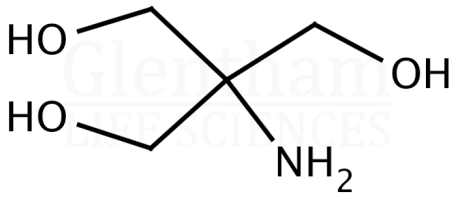
Certificate of Analysis

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
Batch Number	171QMN
Molecular Weight	121.14
Molecular Formula	$C_4H_{11}NO_3$
Storage Temp.	+20°C



Property	Specification	Batch 171QMN
Physical Description	White crystalline powder or colourless crystals	Colourless crystals
Identification (IR)	To conform to standard	Conforms
Solubility (1M in water)	Clear, colourless solution	Conforms
pH (1M in water)	10.5 - 11.5	10.80
Water Insoluble Matter	≤ 0.005%	≤ 0.005%
Melting Point	168.0 - 172.0 °C	170.0°C
UV Absorption (1M in water)	290nm: ≤ 0.050	0.016
Heavy Metals (as Pb)	≤ 1ppm	Conforms
Iron (Fe)	≤ 1ppm	Conforms
Chloride (Cl)	≤ 5ppm	Conforms
Related Substances (TLC)	To pass Ph. Eur. test (≤ 1%)	Conforms
Residue on Ignition	≤ 0.1%	≤ 0.1%
Loss on Drying	≤ 0.5% (3h, 105°C)	0.029%
Assay (Titration)	99.90 - 100.50 % (dried substance)	100.2%
Pharmacopoeia Specification(s)	Ph. Eur.	Conforms

Specification Version	v1.1
Manufacture Date	2021-09-05
Re-Test Date	2029-09-30

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check www.glentham.com or contact us using the details above for the current version of this document.

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