

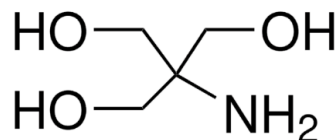
## Product Specification

Product Name:

**Trometamol (Tris(hydroxymethyl)aminomethane) meets EP, USP testing specifications, ≥99.9%**

**Suitable for Cell Culture Studies**

Product No.: PSR49120  
Brand: PureSynth  
CAS No.: 77-86-1  
Molecular Formula:  $\text{NH}_2\text{C}(\text{CH}_2\text{OH})_3$   
Molecular Weight: 121.14 g/mol



Test	Specification
Appearance	White Crystalline Powder
Assay (by Titration with $\text{H}_2\text{SO}_4$ )	≥ 99.9 % (on anhydrous basis)
Solubility (200 g + 300 ml of $\text{H}_2\text{O}$ )	Clear Colourless Solution
Water (by KF)	NMT 0.2 %
Loss on Drying (EP)	NMT 0.5 %
Loss on Drying (USP)	NMT 1.0 %
Identification A (USP)	Complies
Identification B (EP)	Complies
Identification B (USP)	Complies
Identification C (EP)	Complies
Identification C (USP)	Complies
Initial Melting Point	≥ 168 °C
Final Melting Point	≤ 172 °C
UV Absorbance at 290nm 40% (w/w)	NMT 0.05
UV Absorbance at 260nm (1M)	NMT 0.06
UV Absorbance at 280nm (1M)	NMT 0.06
Iron (Fe) (by ICP)	NMT 1.0 ppm
pH (5% in $\text{H}_2\text{O}$ )	10.0 - 11.5
Related Substances	Complies
Chloride (Cl)	NMT 100 ppm
Residual Solvents	Complies
Residue on ignition (Ash)	NMT 0.10 %
DNase, Exonuclease Detection	Not Detected
RNase Detection	Not Detected
Protease Detection	Not Detected
Bacterial Endotoxin Level	≤ 1 EU/mg
Cell Culture Test	Complies

Specification: OT-1.0-QA/030

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For queries on this Specifications, please contact our technical team at [technical@pure-synth.com](mailto:technical@pure-synth.com)