

Product Specification

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Material VWRB497-5000

Material description Tris(hydroxymethyl)aminomethane (TRIS, Trometamol)

Grade Ph.Eur./USP/BP/JPC/ENDOTOXIN TESTED

CAS Number 77-86-1

Molecular formula NH2C(CH2OH)3

Molecular mass 121.14

Storage Store between 15 °C and 30 °C.

Additional information

Characteristics	Specifications
Appearance	Conforms (see CoA/CoS)
JPC specifications:	
Assay [JPC]	≥ 99.0 %
Clarity and color of solution	Passes test JPC
Identification 1	Passes test JPC
Identification 2	Passes test JPC
Melting point [JPC]	168 - 172 °C
pH (25°C; 1 g/100 ml) [JPC]	10.3 - 10.7
Heavy metals (as Pb) [JPC]	≤ 8 ppm
Loss on drying [JPC]	≤ 0.5 %
Residue on ignition [JPC]	≤ 0.10 %
As (Arsenic) [JPC]	≤ 1.6 ppm
Ph.Eur./BP specifications:	
Assay (on dried substance) [Ph.Eur./BP]	99.0 - 100.5 %
Appearance of solution	Passes test Ph.Eur./BP
Identification B	Passes test Ph.Eur./BP
Identification C	Passes test Ph.Eur./BP
pH [Ph.Eur./BP]	10.0 - 11.5
Loss on drying [Ph.Eur./BP]	≤ 0.5 %
Related substances [Ph.Eur./BP]	≤ 1.0 %
Sulphated ash [Ph.Eur./BP]	≤ 0.1 %
Cl (Chloride) [Ph.Eur./BP]	≤ 100 ppm
Fe (Iron) [Ph.Eur./BP]	≤ 10 ppm
USP specifications:	
Assay [USP]	99.0 - 101.0 %
Identification A	Passes test USP
Identification B	Passes test USP
Identification C	Passes test USP

For further manufacturing use only. Not for use as an Active Pharmaceutical Ingredient.

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Product Specification



Characteristics	Specifications
Melting point [USP]	168 - 172 °C
pH [USP]	10.0 - 11.5
Loss on drying [USP]	≤ 1.0 %
Residue on ignition [USP]	≤ 0.1 %
Bacterial endotoxins	≤ 2.5 EU/g

Signature

We certify that this batch conforms to the specifications listed above.

This document has been produced electronically and is valid without a signature.

Naresh Boddu, Head of Laboratory - Aurora VWR Chemicals, LLC, 220 Lena Dr., Aurora, OH 44202, USA

Additional information

Appearance: White crystalline powder to needle-like crystals.

The following Class 1, 2 or 3 Solvents may be present in this product and are identified and quantified below. All comply with the limits prescribed in the current USP/ENDOTOXIN TESTED GRADE.

Class: Class 2 Solvent: Methanol

Concentration Limit (ppm): 3000.00

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