



Product Specification



Material	VWRB497-50KG
Material description	Tris(hydroxymethyl)aminomethane (TRIS, Trometamol)
Grade	Ph.Eur./USP/BP/JPC/ENDOTOXIN TESTED
CAS Number	77-86-1
Molecular formula	NH ₂ C(CH ₂ OH) 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

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



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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