PRODUCT SPECIFICATION SHEET
TRIS Ultra Pure
Tris(hydroxymethyl)aminomethane
(Tromethamine / Trometamol)

Meets USP/EP Grade Monographs

Main Catalog #: 602000BAS - Size Code*

*Refer to Master Price List – Individual package sizes have unique size codes

TEST	MONO-GRAPH	SPECIFICATION	TYPICAL RESULT
Appearance	EP	A white or almost white, crystalline powder, or colorless crystals, freely soluble in water, sparingly soluble in alcohol, very slightly soluble in ethyl acetate.	Pass
Appearance (5% solution)	EP	Solution is clear and colorless	Pass
Assay as tromethamine (on dry basis) Assay as aminomethylidynetri (methanol) (on dry basis)	USP EP	99.0 – 101.0% 99.0% - 100.5%	Pass Pass
Purity, by GC on dry basis (wt%)	Internal	NLT 99.9%	99.97%
Related Substances, by GC (wt%)	Internal	NMT 0.10%	0.03%
Identification A – Infrared Absorption Identification C	USP EP	Conforms to Reference Spectrum	Pass
Identification B	USP	A yellow color is produced	Pass
Identification B – Melting Point Melting Range	EP USP	168°C – 174°C 168°C – 172°C	Pass Pass
Identification C	USP	The color changes from light yellow to orange	Pass
Impurities – Residue on Ignition (wt%)	USP	NMT 0.1%	0.0%
Loss on Drying (wt%)	USP EP	NMT 1.0% NMT 0.5%	0.0%
pH (5% solution)	USP/EP	10.0 – 11.5	10.7
Related Substances	EP	To Pass Test	Pass
Chlorides	EP	The Solution complies with the limit test for Chlorides (100ppm)	Pass
Heavy Metals (as Pb)	EP	The Solution complies with the limit test for Heavy Metals (10ppm)	Pass
Iron	EP	The Solution complies with the limit test for Iron (10ppm)	Pass
Sulfated Ash	EP	NMT 0.5%	0.0%

Form Tris UltraPure, Rev. 1.0, 03/18, EF

This product is for further commercial manufacturing, laboratory or research use, and may be used as an excipient or a process solvent for pharmaceutical purposes. It is not intended for use as an active ingredient in drug manufacturing nor as a medical device or disinfectant. Appropriate/legal use of this product is the responsibility of the user.