

Specification

Tris (USP, BP, Ph. Eur.) pure, pharma grade

141940

Solubility:	800 g/L (H ₂ O)
Physical Description:	Solid
Product Code:	141940
Product Name:	Tris (USP, BP, Ph. Eur.) pure, pharma grade
Specifications:	<p>Assay (titr., calc. on dried subst.): 99.0 - 100.5 %</p> <p>Appearance of solution: passes test</p> <p>Residue on ignition: max. 0.1 %</p> <p>Identity: passes test</p> <p>pH (5 %; H₂O): 10.0 - 11.5</p> <p>Heavy metals (as Pb): max. 0.001 %</p> <p>Loss on drying (3 h; 105°C): max. 0.5 %</p> <p>Related subst.: passes test</p> <p>Melting range: 168 - 172°C</p> <p>Residual solvents (Ph. Eur./USP): passes test</p> <p>Insoluble matter in H₂O: max. 0.025 %</p> <p>Methanol: max. 0.5 %</p> <p>Chloride: max. 0.003 %</p> <p>As: max. 0.0001 %</p> <p>Fe: max. 0.001 %</p> <p>Elemental impurities (according to ICH Q3D):</p> <p>Class 1 (Cd): max. 0.5 ppm</p> <p>Class 2B (Au): max. 10 ppm</p> <p>Class 2B (Rh): max. 10 ppm</p> <p>Class 2A (Co): max. 5 ppm</p> <p>Class 2A (V): max. 10 ppm</p> <p>Class 2A (Ni): max. 20 ppm</p> <p>Class 2B (Ti): max. 2 ppm</p> <p>Class 2B (Pd): max. 10 ppm</p> <p>Class 2B (Ir): max. 10 ppm</p> <p>Class 2B (Ag): max. 15 ppm</p>

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	Class 3 (Sb): max. 120 ppm Class 3 (Ba): max. 140 ppm Class 3 (Mo): max. 25 ppm Class 3 (Li): max. 55 ppm Class 1 (Pb): max. 0.5 ppm Class 1 (As): max. 1 ppm Class 1 (Hg): max. 1.5 ppm Class 2B (Os): max. 10 ppm Class 2B (Ru): max. 10 ppm Class 2B (Pt): max. 10 ppm Class 2B (Se): max. 15 ppm Class 3 (Cr): max. 25 ppm Class 3 (Cu): max. 250 ppm Class 3 (Sn): max. 600 ppm
WGK:	1
Storage:	RT
Molecular Formula:	C ₄ H ₁₁ NO ₃
M:	121.14 g/mol
CAS:	77-86-1
EINECS:	201-064-4
CS:	29221900

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