GenDEPOT

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Certificate of Analysis

Tris, Ultra Pure

Cat No : T9200 **Lot No : 01192423**

TEST	Specification	Result
Appearance	White crystalline powder	PASS
Purity (Dried based by GC)	≥ 99.9	≥ 99.9
Related substances by GC	≤ 0.1%	≤ 0.1%
Water	≤ 0.2%	≤ 0.2%
Loss on drying @ 105°C , 3hr	≤ 1.0	≤ 1 %
Melting point (°C)	170—172	171
pH (5% in water)	10-11.5	10.8
Solubility (2M in H_2O)	PASS	PASS
APHA color , 20% aqueous solution	≤ 20	≤ 20
Insoluble matter(%)	≤ 0.005	≤ 0.005
Heavy metals (as Pb) , ppm	≤ 5	≤1
Iron (Fe), ppm	≤ 5	≤ 5
Arsenic (As), ppm	≤ 1	≤ 1
Chloride, ppm	≤ 100	≤ 100
Copper, ppm	≤ 1	≤ 1
Lead, ppm	≤ 1	≤ 1
Magnesium, ppm	≤ 1	≤ 1
UV Absorbance @ 260nm, 10% Aqueous solution	≤ 0.03	≤ 0.02
UV Absorbance @ 280nm, 10% Aqueous solution	≤ 0.02	≤ 0.01
UV Absorbance @ 290nm, 10% Aqueous solution	≤ 0.2	≤ 0.04
UV Absorbance @ 430nm, 10% Aqueous solution	≤ 0.004	≤ 0.004
Residue on Ignition (USP)	≤ 0.1	≤ 0.037
DNase, RNase, Protease	None detected	None detected

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