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Certificate of Analysis

Catalog Number	00299
Product Name	2-Amino-2-(hydroxymethyl)-1,3-propanediol hydrochloride Tris(hydroxymethyl)aminomethane hydrochloride TRIS hydrochloride
Lot Number	00004888
CAS Registry Number	1185-53-1
Molecular Formula	C ₄ H ₁₁ NO ₃ ·HCl
Molecular Weight	157.6
Appearance	Fine white powder
Solubility (1M solution in Water)	Clear, complete and colorless solution
pH of 1M Solution in water	3.9
pKa	8.21
Identity By IR	Matches with reference
UV-Absorbance (1M solution in water):	@ 260nm: 0.041 @ 280nm: 0.034 @ 290nm: 0.030
Arsenic	<1 ppm
Copper	0.05 ppm
Barium	<1 ppm
Iron	0.38 ppm
Manganese	0.14 ppm
Water By KF	0.13%
Assay (on dried basis)	98.84%
Caution	Irritant! Hygroscopic!
Remarks	See material safety data sheets for additional information. For laboratory use only.

The foregoing is a copy of the Certificate of Analysis as provided by our supplier

Sashi Kumar

Sashi Kumar
Quality Control Manager