

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-07-16 10:02:38

Date of Next Testing: 2029-07-15 10:02:38

Product Name: **Tris(hydroxymethyl)aminomethane hydrochloride(Tris HCl)**

CAS Number: 1185-53-1

Specifications & Purity: Ultra pure, ≥99%

Lot #: G2510604

SKU #: **T105289**

Version: **2**

Analysis #: **533292**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Lead(Pb)	0-0.0005 (%)	0.00000 %
Copper(Cu)	0-0.0005 (%)	0.00000 %
UV Absorbance 260nm(at 1M in H2O)	0-0.06	0.01200
Cobalt(Co)	0-0.0005 (%)	0.00000 %
Purity (Titration by NaOH)	99-101 (%)	99.95000 %
Sulfate(SO42-)	0-0.005 (%)	0.00125 %
Ignition Residue (as sulfate)	0-0.2 (%)	0.10150 %
Carbon by Elemental Analysis	29.55-31.38 (%)	30.47800 %
UV Absorbance 280nm(at 1M in H2O)	0-0.06	0.00800
Strontium(Sr)	0-0.0005 (%)	0.00000 %
Zinc(Zn)	0-0.0005 (%)	0.00000 %
Cadmium(Cd)	0-0.0005 (%)	0.00000 %
Barium(Ba)	0-0.0005 (%)	0.00010 %
Nitrogen by Elemental Analysis	8.6-9.1 (%)	8.88800 %
Bismuth(Bi)	0-0.0005 (%)	0.00020 %
Loss on drying	0-0.2 (%)	0.03200 %
Aluminum(Al)	0-0.0005 (%)	0.00000 %
UV Absorbance 290nm(40%,H2O)	0-0.05	0.02100
Oxygen by Elemental Analysis	30-30.7 (%)	30.21000 %
Appearance (T105289)	White Powder or Crystals	White Powder or Crystals
Insoluble matter	pass	Pass
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H2O , Colorless and clear(0.5M,20°C)	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



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A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager