

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-07-16 11:00:05

Date of Next Testing: 2028-07-15 11:00:05

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

CAS Number: 1185-53-1

Specifications & Purity: $\geq 99\%$ (T), pH range 7.0 - 9.0, suitable for FISH

Lot #: G2515681

SKU #: **T431526**

Version: **3**

Analysis #: **544939**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity (Titration by NaOH)	99-102.5 (%)	99.95000 %
Water by Karl Fischer	0-1 (%)	0.02700 %
Heavy metal (as Pb)	0-1 (ppm)	0.00000 ppm
Iron(Fe)	0-1 (ppm)	0.00000 ppm
pH(100 mg/ml water)	3-5	4.50000
useful PH range	7-9	8.00000
Appearance(T431526)	White Powder or Crystals	White Powder or Crystals
NMR Spectrum 1H	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager