

Certificate of Analysis

Date of Testing: 2022-10-20 11:39:58

Date of Next Testing: 2026-10-19 11:39:58

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

CAS Number: 1185-53-1

Specifications & Purity: reagent grade, ≥99%

Lot #: J2211222

SKU #: **T105287**

Analysis: **093919**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity (Titration by NaOH)	99-100 (%)	99.53 %
Heavy metal (as Pb)	0-5 (ppm)	2.00 ppm
Water by Karl Fischer	0-1 (%)	0.34 %
Appearance (T105287)	white crystalline powder	white crystalline powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility, Colorless, Clear, 200 g plus 300 ml of H ₂ O	pass	Pass



John Su
QA & QC Manager