

Certificate of Analysis

Date of Testing: 2023-08-23 15:29:01
Date of Next Testing: 2027-08-22 15:29:01
Product Name: **Tris(hydroxymethyl)aminomethane hydrochloride**
CAS Number: 1185-53-1
Specifications & Purity: reagent grade, ≥99%
Lot #: H2317090
SKU #: **T105287**
Version: **0**
Analysis #: **088092**
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Heavy metal (as Pb)	0-5 (ppm)	0.00 ppm
Water by Karl Fischer	0-1 (%)	0.45 %
Purity (Titration by NaOH)	99-100 (%)	99.69 %
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