

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-03-09 16:10:26
Date of Next Testing: 2027-03-08 16:10:26
Product Name: **Tris(hydroxymethyl)aminomethane hydrochloride**
CAS Number: 1185-53-1
Specifications & Purity: reagent grade, $\geq 99\%$
Lot #: B23271097
SKU #: **T105287**
Analysis: **139725**
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Heavy metal (as Pb)	0-5 (ppm)	0.00 ppm
Water by Karl Fischer	0-1 (%)	1.00 %
Purity (Titration by NaOH)	99-100 (%)	99.01 %
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