

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing:	2023-08-23 11:16:05
Date of Next Testing:	2027-08-22 11:16:05
Product Name:	<b>Tris(hydroxymethyl)aminomethane hydrochloride</b>
CAS Number:	1185-53-1
Specifications & Purity:	reagent grade, ≥99%
Lot #:	H2310562
SKU #	<b>T105287</b>
<b>Analysis:</b>	<b>213589</b>
Storage Temperature:	Argon charged

Parameter	Limit Values	Result
Purity (Titration by NaOH)	99-100 (%)	99.44 %
Heavy metal (as Pb)	0-5 (ppm)	0.00 ppm
Water by Karl Fischer	0-1 (%)	0.56 %
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 <sub>2</sub> O	pass	Pass



John Su  
QA & QC Manager