

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-03-10 12:15:20

Date of Next Testing: 2027-03-09 12:15:20

Product Name: **BIS-TRIS propane**

CAS Number: 64431-96-5

Specifications & Purity: 99%

Lot #: C2303412

SKU #: **B105640****Analysis: 189116**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Water by Karl Fischer	0-0.2 (%)	0.06 %
Melting point	165-167 (°C)	166.66000 °C
Heavy metal (as Pb)	0-5 (ppm)	0.00 ppm
Purity(Neutralization titration)	99-101 (%)	100.68 %
Proton NMR Spectrum(Tris (Hydroxymethyl) Aminomethane)	0-0.5 (%)	0.00 %
UV Absorbance 290nm(30%W/V,H2O)	0-0.05	0.04600
Appearance (B105640)	White Powder or Crystals	White Powder or Crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H2O , Colorless Clear,30% (w/w)	pass	Pass

John Su
QA & QC Manager