

## Certificate of Analysis

Date of Testing: 2024-04-15 13:33:25  
Date of Next Testing: 2028-04-14 13:33:25  
Product Name: **BIS-TRIS propane**  
CAS Number: 64431-96-5  
Specifications & Purity: 99%  
Lot #: D2412184  
SKU #: **B105640**  
**Analysis:** **346528**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Water by Karl Fischer	0-0.2 (%)	0.16 %
Melting point	165-167 (°C)	165.55000 °C
Heavy metal (as Pb)	0-5 (ppm)	0.00 ppm
Purity(Neutralization titration)	99-101 (%)	100.01 %
Proton NMR Spectrum(Tris (Hydroxymethyl) Aminomethane)	0-0.5 (%)	0.00 %
UV Absorbance 290nm(30%W/V,H2O)	0-0.05	0.02000
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