

Certificate of Analysis

Date of Testing: 2024-03-29 10:48:55

Date of Next Testing: 2027-03-29 10:48:55

Product Name: **BIS-TRIS propane**

CAS Number: 64431-96-5

Specifications & Purity: BioReagent Plus, ≥99.0% (titration)

Lot #: C2426095

SKU #: **B433230**

Analysis: **324898**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Chloride (Cl-)	0-0.05 (%)	0.00 %
Sulfate(SO4)	0-0.05 (%)	0.00000 %
Aluminum(Al)	0-0.0005 (%)	0.00 %
Phosphorus (P)	0-0.005 (%)	0.00 %
Lead(Pb)	0-0.001 (%)	0.00 %
Calcium(Ca)	0-0.0005 (%)	0.00 %
Sodium(Na)	0-0.005 (%)	0.00 %
Magnesium(Mg)	0-0.0005 (%)	0.00 %
Iron(Fe)	0-0.0005 (%)	0.00 %
Copper(Cu)	0-0.0005 (%)	0.00 %
Zinc(Zn)	0-0.0005 (%)	0.00 %
Potassium(K)	0-0.005 (%)	0.00 %
Water by Karl Fischer	0-0.2 (%)	0.20 %
Tris (Hydroxymethyl) Aminomethane	0-0.5 (%)	0.00000 %
Ammonia (NH4)	0-0.05 (%)	0.05 %
Residue on ignition(Ash)	0-0.1 (%)	0.03900 %
Insoluble matter	0-0.1 (%)	0.00 %
pH(C=1 M)	10-12	11.34400
A260 UV Absorption (1 M in H2O)	≤0.1	0.05800
A280 UV Absorption (1 M in H2O)	≤0.05	0.03600
Purity (Titration by H2SO4) (anhydrous)	99-101 (%)	100.38 %
Appearance(B433230)	White Powder	White powder
Solubility (1 M in H2O , Colorless)	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



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A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager