

## Certificate of Analysis

Date of Testing: 2023-03-09 10:25:31  
Date of Next Testing: 2027-03-08 10:25:31  
Product Name: **BIS-TRIS hydrochloride**  
CAS Number: 124763-51-5  
Specifications & Purity: 99%  
Lot #: B2327450  
SKU #: **B120627**  
Analysis: **187217**

Parameter	Limit Values	Result
Heavy metal (as Pb)	0-5 (ppm)	1.62 ppm
Water by Karl Fischer	0-1 (%)	0.32 %
Purity(Titration by AgNO3)	99-101 (%)	99.49 %
Appearance (B120627)	white crystalline powder	white crystalline powder
Solubility,Colorless to faint yellow,clear(50 mg/mL, H2O)	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager