

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-12-14 15:05:10  
Date of Next Testing: 2027-12-13 15:05:10  
Product Name: **BIS-TRIS**  
CAS Number: 6976-37-0  
Specifications & Purity: 98%  
Lot #: L2301047  
SKU #: **B105639**  
**Analysis:** **304739**  
Storage Temperature: Room temperature

Parameter	Limit Values	Result
pKa (25 °C)	6.45-6.65	6.55
Iron(Fe)	0-0.0005 (%)	0.00 %
Purity(HPLC)	98-100 (%)	99.90700 %
280 nm(1M in water )	0-0.04	0.02
Melting point	102-106 (°C)	105.78000 °C
Purity(Titration)	98.5-101.5 (%)	99.31 %
Insoluble matter in H2O	0-0.01 (%)	0.00 %
Loss on drying	0-1 (%)	0.04 %
PH (1 %; Water)	8.8-9.6	9.20
UV Absorbance 340nm	0-0.02	0.01
Heavy metal (as Pb)	0-0.0003 (%)	0.00 %
Appearance (B105639)	colorless to white crystal solid	colorless to white crystal solid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager