

## Certificate of Analysis

Date of Testing: 2024-12-14 12:33:51  
Date of Next Testing: 2028-12-13 12:33:51  
Product Name: **Tetrabutylammonium Bifluoride**  
CAS Number: 23868-34-0  
Specifications & Purity:  $\geq 95\%$   
Lot #: L2406689  
SKU #: **T162455**  
Version: **1**  
Analysis #: **398399**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(Neutralization titration)	94.5-105.5 (%)	100.50 %
Appearance(T162455)	Colorless to Red to Green clear liquid	Colorless to Red to Green clear liquid
Fluorine NMR Spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager