

## Certificate of Analysis

Date of Testing: 2023-03-10 13:55:29  
Date of Next Testing: 2027-03-09 13:55:29  
Product Name: **Tetrabutylammonium fluoride trihydrate**  
CAS Number: 87749-50-6  
Specifications & Purity:  $\geq 98.0\%$ (T)  
Lot #: C23031398  
SKU #: **T100870**  
**Analysis:** **189707**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Water by Karl Fischer	0-20 (%)	12.78 %
Purity(Nonaqueous Titration)	97.5-102.5 (%)	97.51 %
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Appearance (T100870)	White to Yellow Waxy Solid	White to Yellow to brown Waxy Solid or Fused solid or lumps or liquid



John Su  
QA & QC Manager