

## Certificate of Analysis

Date of Testing: 2023-07-25 18:52:39  
Date of Next Testing: 2027-07-24 18:52:39  
Product Name: **Tetramethylammonium fluoride tetrahydrate**  
CAS Number: 17787-40-5  
Specifications & Purity: 98%  
Lot #: G2324154  
SKU #: **T102653**  
**Analysis: 231913**  
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Water by Karl Fischer	40-45 (%)	41.94 %
Purity(Titration by HClO <sub>4</sub> )(calcd.on anhydrous substance)	97.5-102.5 (%)	100.30 %
Appearance (T102653)	Colorless or Off-White Solid or Liquid	Colorless or Off-White Solid or Liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager