

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-07-25 18:52:08  
Date of Next Testing: 2027-07-24 18:52:08  
Product Name: **Tetramethylammonium fluoride tetrahydrate**  
CAS Number: 17787-40-5  
Specifications & Purity: 98%  
Lot #: G2324167  
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 anh.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