

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-10-31 09:43:14  
 Date of Next Testing: 2026-10-31 09:43:14  
 Product Name: **Tetrabutylammonium p-Toluenesulfonate (TBAOTs)**  
 CAS Number: 7182-86-7  
 Specifications & Purity:  $\geq 98\%$   
 Lot #: J2429652  
 SKU #: **T136847**  
 Version: **1**  
 Analysis #: **422830**  
 Storage Temperature: Room temperature, Argon charged

| Parameter                    | Limit Values                                          | Result                                                |
|------------------------------|-------------------------------------------------------|-------------------------------------------------------|
| Melting point                | 67-74 (°C)                                            | 71.44000 °C                                           |
| Purity(Nonaqueous Titration) | 97.5-102.5 (%)                                        | 97.67000 %                                            |
| Appearance (T136847)         | white to light yellow to beige powder chunk<br>crysta | white to light yellow to beige powder chunk<br>crysta |
| Proton NMR spectrum          | Conforms to Structure                                 | Conforms to Structure                                 |



John Su  
QA & QC Manager