

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-10-19 10:41:59  
Date of Next Testing: 2024-04-16 10:41:59  
Product Name: **Tetrabutylammonium hydrogen sulfate**  
CAS Number: 32503-27-8  
Specifications & Purity: 98%  
Lot #: F2325679  
SKU #: **T105645**  
**Analysis:** **287196**  
Storage Temperature: Argon charged

| Parameter                        | Limit Values             | Result                   |
|----------------------------------|--------------------------|--------------------------|
| Purity(Neutralization titration) | 98-100 (%)               | 99.28 %                  |
| Melting point                    | 170-175 (°C)             | 172.60000 °C             |
| Appearance (T105645)             | White Powder or Crystals | White Powder or Crystals |
| Solubility in H <sub>2</sub> O   | Almost transparency      | almost transparency      |
| Proton NMR spectrum              | Conforms to Structure    | Conforms to Structure    |



John Su  
QA & QC Manager