

## Certificate of Analysis

Date of Testing: 2024-02-23 13:58:07  
Date of Next Testing: 2024-08-21 13:58:07  
Product Name: **Tetrabutylammonium hydrogen sulfate**  
CAS Number: 32503-27-8  
Specifications & Purity: 98%  
Lot #: G2321818  
SKU #: **T105645**  
**Analysis:** **323035**  
Storage Temperature: Argon charged

| Parameter                        | Limit Values             | Result                   |
|----------------------------------|--------------------------|--------------------------|
| Purity(Neutralization titration) | 98-100 (%)               | 98.85 %                  |
| Melting point                    | 170-175 (°C)             | 173.60000 °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