

## Certificate of Analysis

Date of Testing: 2023-09-27 10:03:21  
Date of Next Testing: 2027-09-26 10:03:21  
Product Name: **Tetrabutylammonium sulfate solution**  
CAS Number: 2472-88-0  
Specifications & Purity: 50wt% in water  
Lot #: I2321835  
SKU #: **T102283**  
Analysis: **273823**

Parameter	Limit Values	Result
Titration by Ba(ClO <sub>4</sub> ) <sub>2</sub>	45-55 (%)	50.10 %
Appearance (T102283)	Colorless Liquid	Colorless liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager