

## Certificate of Analysis

Date of Testing: 2023-11-15 11:17:59  
Date of Next Testing: 2025-11-14 11:17:59  
Product Name: **Tetrabutylammonium hydroxide solution**  
CAS Number: 2052-49-5  
Specifications & Purity: 10% in H<sub>2</sub>O  
Lot #: K2313506  
SKU #: **T105045**  
**Analysis:** **290467**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(Titration by HCl)	9.5-10.5 (%)	10.44 %
Appearance (T105045)	Colorless liquid	Colorless liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager