

## Certificate of Analysis

Date of Testing: 2023-12-29 09:13:41  
Date of Next Testing: 2025-12-28 09:13:41  
Product Name: **Tetrabutylammonium hydroxide**  
CAS Number: 2052-49-5  
Specifications & Purity: ~ 25% in H<sub>2</sub>O  
Lot #: L2321469  
SKU #: **T105044**  
Version: **0**  
Analysis #: **310002**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(Titration by HCl)	24.5-25.5 (%)	25.45 %
Appearance (T105044)	Colorless to light yellow liquid	Colorless to light yellow liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager