

## Certificate of Analysis

Date of Testing: 2023-11-03 11:07:20  
Date of Next Testing: 2025-11-02 11:07:20  
Product Name: **Tetrabutylammonium hydroxide solution**  
CAS Number: 2052-49-5(methanol)  
Specifications & Purity: ~ 40% in methanol  
Lot #: J2330495  
SKU #: **T301939**  
**Analysis: 263463**  
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Purity(Titration by HCl)	38-42 (%)	40.78 %
Appearance (T301939)	Liquid	Liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager