

## Certificate of Analysis

Date of Testing: 2022-11-17 11:06:20  
Date of Next Testing: 2024-11-16 11:06:20  
Product Name: **Tetrabutylammonium hydroxide solution**  
CAS Number: 2052-49-5  
Specifications & Purity: 40 wt. % in H<sub>2</sub>O  
Lot #: K2211609  
SKU #: **T359018**  
**Analysis:** **144554**  
Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Concentration(Titration by 1M HCL)	38-42 (%)	41.86 %
Appearance(T359018)	Colorless to light yellow liquid	Colorless to light yellow liquid
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su  
QA & QC Manager