

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-08-24 11:50:54  
Date of Next Testing: 2024-08-23 11:50:54  
Product Name: **Tetrabutylammonium hydroxide**  
CAS Number: 2052-49-5  
Specifications & Purity: ~ 25% in H<sub>2</sub>O  
Lot #: H2217797  
SKU #: **T105044**  
**Analysis:** **119370**  
Storage Temperature: Argon charged

| Parameter                | Limit Values                     | Result                           |
|--------------------------|----------------------------------|----------------------------------|
| Purity(Titration by HCl) | 24.5-25.5 (%)                    | 24.87 %                          |
| 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