

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-05-15 17:09:17  
Date of Next Testing: 2027-05-14 17:09:17  
Product Name: **Tetrabutylammonium bromide(TBAB)**  
CAS Number: 1643-19-2  
Specifications & Purity:  $\geq 99\%$   
Lot #: E2312842  
SKU #: **T501397**  
Version: **2**  
Analysis #: **217200**  
Storage Temperature: Room temperature, Argon charged, Desiccated, Cool

Parameter	Limit Values	Result
Trimethylamine	0-0.5 (%)	0.48000 %
PH (5%, water) 25 ° C	3.5-7	5.85000
Tributylamine Hydrobromide	0-1 (%)	0.97000 %
Loss on drying	0-0.5 (%)	0.00000 %
Purity(Titration by AgNO3)	99-100 (%)	99.98000 %
Appearance(T501397)	white crystal or crystal powder	white crystal or crystal powder
Solubility(almost transparency in Water)	Pass	Pass
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure
Infrared spectrum	conforms to structure	Conforms to Structure



John Su  
QA & QC Manager