

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-02-03 11:35:22

Date of Next Testing: 2025-01-23 11:35:22

Product Name: **Tetrabutylammonium bromide(TBAB)**

CAS Number: 1643-19-2

Specifications & Purity: AR, ≥99%

Lot #: A2331009

SKU #: **T103372**

Version: **0**

Analysis #: **159586**

Storage Temperature: Room temperature, Argon charged, Desiccated, Cool

| Parameter                               | Limit Values                    | Result                          |
|-----------------------------------------|---------------------------------|---------------------------------|
| Melting point                           | 102-106 (°C)                    | 104.83000 °C                    |
| Trimethylamine                          | 0-0.5 (%)                       | 0.20000 %                       |
| Tributylamine Hydrobromide              | 0-1 (%)                         | 0.50000 %                       |
| Purity(Titration by AgNO <sub>3</sub> ) | 99-100 (%)                      | 99.90000 %                      |
| Loss on drying                          | 0-1 (%)                         | 0.00000 %                       |
| Appearance (T103372)                    | white crystal or crystal powder | white crystal or crystal powder |
| Solubility in H <sub>2</sub> O          | Almost transparency             | almost transparency             |
| Infrared spectrum                       | Conforms to Structure           | Conforms to Structure           |



John Su  
QA & QC Manager