

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-06-18 15:17:35  
Date of Next Testing: 2026-06-08 15:17:35  
Product Name: **Trimethylphenylammonium bromide**  
CAS Number: 16056-11-4  
Specifications & Purity: 98%  
Lot #: K2020201  
SKU #: **T101041**  
Version: **0**  
Analysis #: **371154**  
Storage Temperature: Store at 2-8°C, Argon charged

| Parameter                               | Limit Values                                 | Result                                       |
|---|--|--|
| Purity(HPLC)                            | 98-100 (%)                                   | 98.02000 %                                   |
| Purity(Titration by HClO <sub>4</sub> ) | 97.5-102.5 (%)                               | 98.38 %                                      |
| Carbon by Elemental Analysis            | 48.7-51.3 (%)                                | 49.58 %                                      |
| Nitrogen by Elemental Analysis          | 6.2-6.7 (%)                                  | 6.48 %                                       |
| Appearance (T101041)                    | White to Yellow to Blue Powder and/or Chunks | White to Yellow to Blue Powder and/or Chunks |
| Infrared spectrum                       | Conforms to Structure                        | Conforms to Structure                        |
| Proton NMR spectrum                     | Conforms to Structure                        | Conforms to Structure                        |
| Solubility in H <sub>2</sub> O          | Almost transparency                          | almost transparency                          |



John Su  
QA & QC Manager