

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-08-05 17:07:06  
 Date of Next Testing: 2027-07-26 17:07:06  
 Product Name: **Tetraphenylphosphonium bromide**  
 CAS Number: 2751-90-8  
 Specifications & Purity:  $\geq 98\%$   
 Lot #: G2528359  
 SKU #: **T102700**  
 Version: **0**  
 Analysis #: **390260**  
 Storage Temperature: Room temperature, Argon charged

| Parameter                          | Limit Values                                      | Result                                            |
|------------------------------------|---------------------------------------------------|---------------------------------------------------|
| Melting point                      | 295-302 (°C)                                      | 300.20000 °C                                      |
| Purity (Argentmetric Titration)    | 97-100 (%)                                        | 98.67000 %                                        |
| Purity (HPLC)                      | 98-100 (%)                                        | 99.96100 %                                        |
| Infrared spectrum                  | Conforms to Structure                             | Conforms to Structure                             |
| Solubility in hot H <sub>2</sub> O | almost transparency                               | almost transparency                               |
| Appearance (T102700)               | white to off-white powder, crystals and/or chunks | white to off-white powder, crystals and/or chunks |



John Su  
QA & QC Manager