

## Certificate of Analysis

Date of Testing: 2023-07-06 17:08:03  
Date of Next Testing: 2025-06-25 17:08:03  
Product Name: **Tetrabutylphosphonium bromide**  
CAS Number: 3115-68-2  
Specifications & Purity:  $\geq 98\%$   
Lot #: G2303218  
SKU #: **T107471**  
Version: **0**  
Analysis #: **244429**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Melting point	99-106 (°C)	104.81000 °C
Purity(Titration by AgNO <sub>3</sub> )	97.5-102.5 (%)	101.49 %
Appearance (T107471)	White to Off-White Powder or Crystals	White to Off-White Powder or Crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H <sub>2</sub> O	Almost transparency	almost transparency



John Su  
QA & QC Manager