

## Certificate of Analysis

Date of Testing: 2023-10-16 14:35:57  
Date of Next Testing: 2025-10-05 14:35:57  
Product Name: **Butyltriphenylphosphonium chloride**  
CAS Number: 13371-17-0  
Specifications & Purity: 98%  
Lot #: A2219269  
SKU #: **B102913**  
**Analysis:** **285713**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Melting point	223-227 (°C)	224.60000 °C
Purity(Titration by AgNO <sub>3</sub> )	97.5-102.5 (%)	97.60%
Appearance (B102913)	White to Off-White Powder or crystals	White to Off-White Powder or Crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su  
QA & QC Manager