

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-05-18 17:29:11
 Date of Next Testing: 2027-05-17 17:29:11
 Product Name: **Tributylhexadecylphosphonium Bromide**
 CAS Number: 14937-45-2
 Specifications & Purity: $\geq 98\%$ (T)
 Lot #: E2316789
 SKU #: **T162757**
 Version: **0**
 Analysis #: **197874**
 Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Melting point	59-64 (°C)	61.70000 °C
Purity(O2 AgNO3 titration with after combustion)	97.5-102.5 (%)	102.49000 %
Appearance (t162757)	white to off-white powder, crystals and/or chunks	white to off-white powder, crystals and/or chunks
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager