

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-12-15 18:42:32  
Date of Next Testing: 2024-12-14 18:42:32  
Product Name: **Bis[2-(diphenylphosphino)ethyl]ammonium chloride**  
CAS Number: 66534-97-2  
Specifications & Purity:  $\geq 97\%$   
Lot #: L2207274  
SKU #: **B139157**  
**Analysis: 169246**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(O2 AgNO3 titration with after combustion)	96.5-103.5 (%)	100.22 %
Purity(HPLC)	97-100 (%)	98.63000 %
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager