

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-06-15 11:03:30
 Date of Next Testing: 2024-06-14 11:03:30
 Product Name: **Tributyl(cyanomethyl)phosphonium Chloride**
 CAS Number: 82358-61-0
 Specifications & Purity: $\geq 98\%$ (T)
 Lot #: F2208485
 SKU #: **T162789**
 Version: **0**
 Analysis #: **099940**
 Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.44200 %
Purity(Nonaqueous Titration)	97.5-102.5 (%)	101.51000 %
Appearance (T162789)	White to off-white crystalline solid	White to off-white crystalline solid
Phosphorus NMR Spectra	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager