

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing:	2022-08-24 16:44:37
Date of Next Testing:	2026-08-23 16:44:37
Product Name:	N-Benzylquininium Chloride [Chiral Phase-Transfer Catalyst]
CAS Number:	67174-25-8
Specifications & Purity:	95%
Lot #:	H2220093
SKU #	B120850
Analysis:	102681

Parameter	Limit Values	Result
Purity(HPLC)	95-100 (%)	99.72100%
Specific Rotation [α] ₂₀ /D(c=1.5 in H ₂ O)	-240--215 (°)	-216.66 °
Loss on drying	0-5 (%)	2.20%
Purity(Titration by AgNO ₃)	94-106 (%)	95.50%
Appearance (B120850)	White Powder or Crystals	White Powder or Crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager