

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-08-24 16:48:35
Date of Next Testing: 2026-08-23 16:48:35
Product Name: **N-Benzylquininium Chloride [Chiral Phase-Transfer Catalyst]**
CAS Number: 67174-25-8
Specifications & Purity: 95%
Lot #: H2220194
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