

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-10-13 09:03:34  
Date of Next Testing: 2026-10-12 09:03:34  
Product Name: (S)-[2,3':1',1'':3'',2'''-Quaternaphthalene]-2',2''-diol  
CAS Number: 863659-89-6  
Specifications & Purity:  $\geq 98\%$  ,  $\geq 99\%$ e.e.  
Lot #: 12227598  
SKU #: S300909  
Analysis: 095688  
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.91000 %
Enantiomeric Excess	99-100 (%)	99.97000 %
LC-MS for identification	Conforms	Conforms
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager