

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-02-14 18:26:48
 Date of Next Testing: 2024-02-14 18:26:48
 Product Name: (2S,2'S)-2,2'-bipiperidine
 CAS Number: 889096-67-7
 Specifications & Purity: $\geq 97\%$ (HPLC), $\geq 99\%$ (ee)
 Lot #: B2308999
 SKU #: S406962
 Version: 1
 Analysis #: 168354
 Storage Temperature: Store at 2-8°C, Desiccated

Parameter	Limit Values	Result
Enantiomeric Excess	99-100 (%)	100.00000 %
Purity(HPLC area)	97-100 (%)	98.00000 %
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager