

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-09-06 10:53:14

Date of Next Testing: 2025-09-05 10:53:14

Product Name: (S)-(-)-1-Phenylpropylamine

CAS Number: 3789-59-1

Specifications & Purity: $\geq 99\%$, $\geq 99\%$ (ee)

Lot #: I2305551

SKU # S135110

Version 1

Analysis #: 269155

Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Purity(GC)	99-100 (%)	99.66300 %
Enantiometric Excess	99-100 (%)	99.53000 %
Density (20°C)	0.943-0.947	0.94500
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in CHCL}_3)$	-19--16 (°)	-17.88000 °
Appearance (S135110)	Colorless to light yellow liquid	Colorless to light yellow liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager