

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-08-12 15:21:42  
Date of Next Testing: 2027-08-12 15:21:42  
Product Name: **(S)-(-)-1-Phenylpropylamine**  
CAS Number: 3789-59-1  
Specifications & Purity:  $\geq 99\%$ ,  $\geq 99\%$ (ee)  
Lot #: K2302396  
SKU #: **S135110**  
Version: **1**  
Analysis #: **555631**  
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Purity(GC)	99-100 (%)	99.66 %
Enantiometric Excess	99-100 (%)	99.50 %
Density (20°C)	0.943-0.947	0.94
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in CHCL}_3)$	-19--16 (°)	-17.80°
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