

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-01-13 10:51:42  
 Date of Next Testing: 2029-01-12 10:51:42  
 Product Name: **(S)-(-)-1-Phenylethylamine**  
 CAS Number: 2627-86-3  
 Specifications & Purity:  $\geq 99\%$ (GC)  
 Lot #: D2101350  
 SKU #: **M105679**  
 Version: **1**  
 Analysis #: **461407**  
 Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Enantiometric Excess	98-100 (%)	98.19800 %
Purity(GC)	99-100 (%)	99.36000 %
Purity(Titration by HClO <sub>4</sub> )	97.5-102.5 (%)	98.64800 %
Refractive index n <sub>20</sub> /D	1.525-1.528	1.52660
Density (20°C)	0.951-0.956	0.95400
Specific Rotation [α] <sub>20</sub> /D(c=Neat)	-41--37 (°)	-37.01800 °
Appearance (M105679)	Colorless to Very Light Yellow liquid	Colorless to Very Light Yellow liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager