

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-07-27 16:18:40
 Date of Next Testing: 2027-07-26 16:18:40
 Product Name: (S)-(-)-1-Phenylethylamine
 CAS Number: 2627-86-3
 Specifications & Purity: $\geq 99\%$ (GC)
 Lot #: G2326568
 SKU #: M105679
 Version: 1
 Analysis #: 245858
 Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Purity(GC)	99-100 (%)	99.71500 %
Purity(Titration by HClO ₄)	97.5-102.5 (%)	100.07000 %
Refractive index n ₂₀ /D	1.525-1.528	1.52680
Density (20°C)	0.951-0.956	0.95290
Specific Rotation [α] ₂₀ /D(c=Neat)	-41--37 (°)	-37.01000 °
Enantiometric Excess	98-100 (%)	98.01000 %
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