

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-03-02 09:40:04
 Date of Next Testing: 2026-03-01 09:40:04
 Product Name: (S)-(-)-1-Phenylethylamine
 CAS Number: 2627-86-3
 Specifications & Purity: $\geq 99\%$ (GC)
 Lot #: B2226306
 SKU #: M105679
 Version: 1
 Analysis #: 060327
 Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Enantiometric Excess	98-100(%)	98.12000 %
Purity(GC)	99-100 (%)	99.11000 %
Purity(Titration by HClO ₄)	97.5-102.5 (%)	99.67000 %
Refractive index n ₂₀ /D	1.525-1.528	1.52710
Density (20°C)	0.951-0.956	0.95230
Specific Rotation [α] ₂₀ /D(c=Neat)	-41--37 (°)	-37.01000 °
Appearance (M105679)	Colorless Liquid	Colorless liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager