

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-09-11 11:02:20

Date of Next Testing: 2027-09-10 11:02:20

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

CAS Number: 2627-86-3

Specifications & Purity: $\geq 99\%$ (GC)

Lot #: K1928212

SKU #: M105679

Version: 1

Analysis #: 274182

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

Parameter	Limit Values	Result
Enantiometric Excess	98-100 (%)	99.00000 %
Purity(GC)	99-100 (%)	99.00100 %
Purity(Titration by HClO ₄)	97.5-102.5 (%)	98.80000 %
Refractive index n ₂₀ /D	1.525-1.528	1.52720
Density (20°C)	0.951-0.956	0.95300
Specific Rotation [α] ₂₀ /D(c=Neat)	-41--37 (°)	-37.10000 °
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