

Certificate of Analysis

Date of Testing: 2023-10-23 11:10:20
Date of Next Testing: 2027-10-22 11:10:20
Product Name: **(S)-(-)-1-Phenylethylamine**
CAS Number: 2627-86-3
Specifications & Purity: >99.0%(GC)
Lot #: J2320517
SKU #: **M105679**
Analysis: 283303
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Purity(Titration by HClO ₄)	97.5-102.5 (%)	98.65 %
Refractive index n ₂₀ /D	1.525-1.528	1.53
Specific Rotation [α] ₂₀ /D(c=Neat)	-41--37 (°)	-37.02 °
Enantiometric Excess	98-100 (%)	98.20%
Purity(GC)	99-100 (%)	99.36 %
Density (20°C)	0.951-0.956	0.96
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