

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-06-30 09:33:24

Date of Next Testing: 2026-06-29 09:33:24

Product Name: **(S)-(-)-1-Phenylethanol**

CAS Number: 1445-91-6

Specifications & Purity: $\geq 99\%$

Lot #: F2217249

SKU #: **P113820**

Version: **0**

Analysis #: **040170**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(GC)	99-100 (%)	99.50300 %
Specific Rotation $[\alpha]_{20/D}(c=\text{Neat})$	-46--40 (°)	-43.08800 °
Refractive index $n_{20/D}$	1.526-1.528	1.52780
Appearance (P113820)	Colorless to light yellow liquid	Colorless to light yellow liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure
optical purity enantiomeric ratio(GC)	$\geq 99.5:0.5$	$\geq 99.5:0.5$



John Su
QA & QC Manager