

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-05-11 16:50:17

Date of Next Testing: 2027-05-10 16:50:17

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

CAS Number: 1445-91-6

Specifications & Purity: $\geq 99\%$

Lot #: D2324739

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