

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-01-05 10:24:13

Date of Next Testing: 2026-01-04 10:24:13

Product Name: **D-(-)-Leucinol**

CAS Number: 53448-09-2

Specifications & Purity: $\geq 97.0\%$ (GC)

Lot #: C2219627

SKU #: **S133878****Analysis: 311167**

Parameter	Limit Values	Result
Optical purity(GC)(ee)	99-100 (%)	99.03%
Density (20°C)	0.907-0.911	0.91
Specific Rotation $[\alpha]_{20/D}(c=9 \text{ in EtOH})$	-5--2 (°)	-3.38°
Purity(GC)	97-100 (%)	98.29%
Refractive index $n_{20/D}$	1.449-1.452	1.45
Appearance (S133878)	Liquid	Liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure

John Su
QA & QC Manager