

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-10-12 13:47:19

Date of Next Testing: 2028-10-11 13:47:19

Product Name: **Ethyl (R)-(-)-3-hydroxybutyrate**

CAS Number: 24915-95-5

Specifications & Purity: $\geq 98\%$

Lot #: C1703096

SKU #: **E118391**

Version: **0**

Analysis #: **418555**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Optical purity(ee)	99-100 (%)	99.18900 %
Density (20°C)	1.013-1.016	1.01480
Specific Rotation $[\alpha]_{20/D}$	-20--16 (°)	-18.92100 °
Refractive index $n_{20/D}$	1.42-1.423	1.42140
Purity(GC)	98-100 (%)	98.84800 %
Appearance (E118391)	Colorless Liquid	Colorless liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager