

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-06-25 09:18:49

Date of Next Testing: 2027-06-24 09:18:49

Product Name: **(+)-Diethyl L-tartrate**

CAS Number: 87-91-2

Specifications & Purity: $\geq 99\%$

Lot #: F2316924

SKU #: **D120026**

Version: **0**

Analysis #: **109478**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D}(c=\text{Neat})$	7.5-9.5 ($^{\circ}$)	8.61740 $^{\circ}$
Refractive index $n_{20/D}$	1.444-1.448	1.44670
Purity(GC)	99-100 (%)	99.43000 %
Enantiometric Excess	99-100 (%)	99.99000 %
Density (20 $^{\circ}$ C)	1.205-1.207	1.20580
Appearance (D120026)	Colorless to light yellow liquid	Colorless to light yellow liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager