

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-07-12 13:42:14

Date of Next Testing: 2026-07-11 13:42:14

Product Name: **DL-Apple Acid Diethyl Ester**

CAS Number: 7554-12-3

Specifications & Purity: $\geq 98\%$ (GC)

Lot #: I1805073

SKU # **D155732**

Version **0**

Analysis #: **111840**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Density (20°C)	1.127-1.13	1.12900
Purity(GC)	98-100 (%)	98.30700 %
Refractive index n _{20/D}	1.433-1.436	1.43500
Appearance (D155732)	Colorless to light yellow liquid	Colorless to light yellow liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager