

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-04-14 15:08:14

Date of Next Testing: 2027-04-13 15:08:14

Product Name: **Ethyl 4,4,4-trifluoroacetoacetate**

CAS Number: 372-31-6

Specifications & Purity: 98%

Lot #: D2310347

SKU #: **E109508**

Analysis: **093088**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Refractive index n ₂₀ /D	1.375-1.378	1.38
Purity(GC)	98-100 (%)	98.73 %
Density (20°C)	1.249-1.267	1.27
Appearance (E109508)	Colorless to light yellow liquid	Colorless to light yellow liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure

A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager