

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-01-11 09:01:37

Date of Next Testing: 2027-01-10 09:01:37

Product Name: **Ethyl (4-Fluorobenzoyl)acetate**

CAS Number: 1999-00-4

Specifications & Purity: >98.0%(GC)

Lot #: G2308079

SKU #: **E123301**

Analysis: **177285**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity((sum of isomers)(GC)	98-100 (%)	99.53 %
Density (20°C)	1.19-1.196	1.19
Refractive index n ₂₀ /D	1.511-1.515	1.51
Appearance (E123301)	Colorless to Yellow Liquid	Colorless to Yellow Liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure

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

John Su
QA & QC Manager