

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-12-02 19:11:39  
Date of Next Testing: 2024-12-01 19:11:39  
Product Name: **Cyclopropanecarboxylic acid chloride**  
CAS Number: 4023-34-1  
Specifications & Purity: 98%  
Lot #: K2226387  
SKU #: **C133840**  
**Analysis:** **141157**  
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Purity(GC)	98-100 (%)	99.83%
Density (20°C)	1.143-1.151	1.15
Refractive index n <sub>20</sub> /D	1.451-1.454	1.45
Appearance (C133840)	Colorless to Yellow to Red to Purple to Green Liquid	Colorless to Yellow to Red to Purple to Green Liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager