

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-11-07 16:00:15

Date of Next Testing: 2026-11-06 16:00:15

Product Name: **(R)-(+)-2-Chloropropionic Acid**

CAS Number: 7474-05-7

Specifications & Purity: >98.0%(GC)(T)

Lot #: J2221514

SKU #: **R160939**

Analysis: **140130**

| Parameter                                  | Limit Values          | Result                |
|--------------------------------------------|-----------------------|-----------------------|
| Assay(Titration by NaOH 0.1M)              | 97.5-102.5 (%)        | 99.80000 %            |
| Purity(GC)                                 | 98-100 (%)            | 98.59 %               |
| specific rotation [ $\alpha$ ]20/D(c=Neat) | 12-16 (°)             | 15.86000 °            |
| Appearance(R160939)                        | Colorless liquid      | Colorless liquid      |
| Infrared spectrum                          | Conforms to Structure | Conforms to Structure |

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

John Su  
QA & QC Manager