

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-02-18 15:02:01

Date of Next Testing: 2026-02-17 15:02:01

Product Name: **3-Butenoic Acid**

CAS Number: 625-38-7

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

Lot #: B2215326

SKU #: **B152771**

Version: **0**

Analysis #: **395517**

Storage Temperature: Store at 2-8°C, Protected from light

| Parameter                           | Limit Values                    | Result                          |
|-------------------------------------|---------------------------------|---------------------------------|
| Purity(GC)                          | 98-100 (%)                      | 98.31100%                       |
| Density (20°C)                      | 1.01-1.014                      | 1.01200                         |
| Refractive index n <sub>20</sub> /D | 1.421-1.425                     | 1.42270                         |
| Appearance (B152771)                | colorless to pale yellow liquid | colorless to pale yellow liquid |
| Proton NMR spectrum                 | Conforms to Structure           | Conforms to Structure           |



John Su  
QA & QC Manager