

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-08-23 14:33:29

Date of Next Testing: 2029-08-22 14:33:29

Product Name: **3-Butenoic Acid**

CAS Number: 625-38-7

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

Lot #: H2519172

SKU #: **B152771**

Version: **0**

Analysis #: **563492**

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

| Parameter                           | Limit Values                    | Result                          |
|-------------------------------------|---------------------------------|---------------------------------|
| Purity(GC)                          | 98-100 (%)                      | 99.54300 %                      |
| Density (20°C)                      | 1.01-1.014                      | 1.01250                         |
| Refractive index n <sub>20</sub> /D | 1.421-1.425                     | 1.42250                         |
| Appearance (B152771)                | colorless to pale yellow liquid | colorless to pale 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