

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-06-05 11:42:49

Date of Next Testing: 2027-05-26 11:42:49

Product Name: **Propiolic acid**

CAS Number: 471-25-0

Specifications & Purity:  $\geq 95\%$

Lot #: E2527602

SKU #: **P109569**

Version: **0**

Analysis #: **487291**

Storage Temperature: Store at 2-8°C, Argon charged

| Parameter                          | Limit Values                                                  | Result                                                        |
|------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------|
| Purity (Titration by NaOH)         | 94-106 (%)                                                    | 98.20000 %                                                    |
| Proton NMR spectrum (acetic acid ) | 0-6 (%)                                                       | 0.30000 %                                                     |
| Density (20°C)                     | 1.135-1.142                                                   | 1.13500                                                       |
| Refractive index n <sub>20/D</sub> | 1.429-1.435                                                   | 1.42950                                                       |
| Appearance (P109569)               | Colorless to Brown Black Liquid or White to Brown Black Solid | Colorless to Brown Black Liquid or White to Brown Black Solid |
| Infrared spectrum                  | Conforms to Structure                                         | Conforms to Structure                                         |



John Su  
QA & QC Manager