

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-01-20 16:20:17  
 Date of Next Testing: 2028-01-10 16:20:17  
 Product Name: **3-Butyn-2-one**  
 CAS Number: 1423-60-5  
 Specifications & Purity:  $\geq 97\%$   
 Lot #: G2226198  
 SKU #: **B101576**  
 Version: **2**  
 Analysis #: **642475**  
 Storage Temperature: Store at 2-8°C, Argon charged

| Parameter                          | Limit Values                                        | Result                                              |
|------------------------------------|-----------------------------------------------------|-----------------------------------------------------|
| Refractive index n <sub>20/D</sub> | 1.404-1.41                                          | 1.41                                                |
| Density (20°C)                     | 0.875-0.88                                          | 0.88                                                |
| Purity(GC)                         | 97-100 (%)                                          | 99.28 %                                             |
| Appearance (B101576)               | Colorless to yellow to brown or orange-brown liquid | Colorless to yellow to brown or orange-brown liquid |
| Proton NMR spectrum                | Conforms to Structure                               | Conforms to Structure                               |



John Su  
QA & QC Manager