

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-06-16 18:37:41  
 Date of Next Testing: 2026-06-15 18:37:41  
 Product Name: **4,5-Dimethyl-3-hydroxy-2,5-dihydrofuran-2-one**  
 CAS Number: 28664-35-9  
 Specifications & Purity:  $\geq 97\%$   
 Lot #: F2210561  
 SKU #: **D120038**  
 Version: **1**  
 Analysis #: **078733**  
 Storage Temperature: Store at 2-8°C

| Parameter                          | Limit Values                                 | Result                                       |
|------------------------------------|----------------------------------------------|----------------------------------------------|
| Purity(GC)                         | 97-100 (%)                                   | 98.28800 %                                   |
| Color Test(c = 5%; Ethanol)        | 0-500 (APHA)                                 | 250.00000 APHA                               |
| Refractive index n <sub>20/D</sub> | 1.488-1.496                                  | 1.49420                                      |
| Appearance (D120038)               | Colorless to White to Yellow Liquid or Solid | Colorless to White to Yellow Liquid or Solid |
| Proton NMR spectrum                | Conforms to structure                        | Conforms to Structure                        |



John Su  
QA & QC Manager