

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-11-21 10:50:04  
 Date of Next Testing: 2028-11-20 10:50:04  
 Product Name: **2,5-Dimethyl-4-methoxy-3(2H)-furanone**  
 CAS Number: 4077-47-8  
 Specifications & Purity:  $\geq 97\%$   
 Lot #: K2420054  
 SKU #: **D102541**  
 Version: **1**  
 Analysis #: **128147**  
 Storage Temperature: Store at 2-8°C, Argon charged

| Parameter                          | Limit Values                                  | Result                                        |
|------------------------------------|-----------------------------------------------|-----------------------------------------------|
| Purity(GC)                         | 97-100 (%)                                    | 99.86500 %                                    |
| Cadmium(Cd)                        | 0-1 (ppm)                                     | 0.62000 ppm                                   |
| Mercury(Hg)                        | 0-1 (ppm)                                     | 0.57000 ppm                                   |
| (As)Arsenic                        | 0-3 (ppm)                                     | 2.63000 ppm                                   |
| Density (20°C)                     | 1.093-1.097                                   | 1.09500                                       |
| Lead(Pb)                           | 0-10 (ppm)                                    | 8.26000 ppm                                   |
| Refractive index n <sub>20/D</sub> | 1.478-1.482                                   | 1.47970                                       |
| Appearance (D102541)               | Colorless to Light Orange or Light Red Liquid | Colorless to Light Orange or Light Red Liquid |
| NMR Spectrum 1H                    | Conforms to Structure                         | Conforms to Structure                         |



John Su  
QA & QC Manager