

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-02-06 20:21:24  
 Date of Next Testing: 2025-01-26 20:21:24  
 Product Name: **5,5-Dimethyl-1,3-cyclohexanedione**  
 CAS Number: 126-81-8  
 Specifications & Purity:  $\geq 99\%$ (GC), for aldehyde analysis  
 Lot #: B2303228  
 SKU #: **D105613**  
 Version: **1**  
 Analysis #: **148780**  
 Storage Temperature: Room temperature, Argon charged

| Parameter                        | Limit Values                           | Result                                 |
|----------------------------------|----------------------------------------|----------------------------------------|
| Purity(GC)                       | 99-100 (%)                             | 99.32200 %                             |
| Purity(Neutralization titration) | 99-101 (%)                             | 99.86900 %                             |
| Melting point                    | 147-151 (°C)                           | 150.15000 °C                           |
| Ignition Residue (as sulfate)    | 0-0.1 (%)                              | 0.01290 %                              |
| Appearance (D105613)             | White to Yellow Crystals with Chunk(s) | White to Yellow Crystals with Chunk(s) |
| Sensitiveness                    | passe test                             | passe test                             |
| Proton NMR spectrum              | Conforms to Structure                  | Conforms to Structure                  |



John Su  
QA & QC Manager