

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-09-01 16:53:53

Date of Next Testing: 2027-08-31 16:53:53

Product Name: **Dimethyl 2-oxoglutarate**

CAS Number: 13192-04-6

Specifications & Purity:  $\geq 95\%$ (GC)

Lot #: H2330295

SKU #: **D163011**

Version: **0**

Analysis #: **289604**

Storage Temperature: Room temperature

| Parameter                           | Limit Values                     | Result                           |
|-------------------------------------|----------------------------------|----------------------------------|
| Purity(GC)                          | 95-100 (%)                       | 96.46000 %                       |
| Density (20°C)                      | 1.207-1.217                      | 1.21200                          |
| Refractive index n <sub>20</sub> /D | 1.438-1.442                      | 1.43919                          |
| Appearance (D163011)                | Colorless to light yellow liquid | Colorless to light yellow liquid |
| Proton NMR spectrum                 | Conforms to Structure            | Conforms to Structure            |



John Su  
QA & QC Manager