

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-04-11 15:10:49

Date of Next Testing: 2025-03-31 15:10:49

Product Name: **5,5-Dimethyl-1,3-cyclohexanedione**

CAS Number: 126-81-8

Specifications & Purity: $\geq 99\%$ (GC), for aldehyde analysis

Lot #: 11918044

SKU #: **D105613**

Version: **1**

Analysis #: **209163**

Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Purity(GC)	99-100 (%)	99.33000 %
Purity(Neutralization titration)	99-101 (%)	99.11400 %
Ignition Residue (as sulfate)	0-0.1 (%)	0.03600 %
Melting point	147-151 (°C)	148.26000 °C
Appearance (D105613)	White to Yellow Crystals with Chunk(s)	White to Yellow Crystals with Chunk(s)
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Sensitiveness	passe test	passe test



John Su
QA & QC Manager