

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-05-11 16:48:38

Date of Next Testing: 2027-05-10 16:48:38

Product Name: **Menadione**

CAS Number: 58-27-5

Specifications &amp; Purity: 98%

Lot #: D23211385

SKU #: **M104154****Analysis: 173097**

Storage Temperature: Store at 2-8°C

| Parameter  | Limit Values                                   | Result   |
|--|--|--|
| Water by Karl Fischer  | 0-0.5 (%)                                      | 0.26 %   |
| Sulfate Ash  | 0-0.5 (%)                                      | 0.14 %   |
| Carbon by Elemental Analysis   | 75.2-78.3 (%)                                  | 76.95 %  |
| Purity(HPLC)   | 98-100 (%)                                     | 99.61700 %                                     |
| Melting point  | 105-108 (°C)                                   | 107.86000 °C                                   |
| Appearance (M104154)   | Light Yellow to Yellow and Yellow-Green Powder | Light Yellow to Yellow and Yellow-Green Powder |
| Solubility in CHCL3 , Colorless to Yellow-Green,Clear to Hazy,100mg/ml | pass   | Pass   |
| Infrared spectrum  | Conforms to Structure                          | Conforms to Structure                          |

John Su  
QA & QC Manager