



# NEWAY SINOPHC TECH. LIMITED

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## Certificate of Analysis (COA)

**Product Name:** Menadione

### Product Information

Product Number: MEN-20260222

Batch Number: MEN-N2026022201

Brand: SIGALD

CAS Number: 58-27-5

Molecular Formula:  $C_{11}H_8O_2$

Molecular Weight: 172.18 g/mol

Quality Release Date: 22 FEB 2026

### Test Results

Test	Specification (Industry Standard)	Result	Unit	Test Method
Appearance	Yellow to orange crystalline powder	Yellow crystalline powder	-	Visual Inspection
Assay (HPLC)	≥ 98.0%	99.4%	%	High Performance Liquid Chromatography
Melting Point	105-107°C	106.2°C	°C	Capillary Melting Point Method
Loss on Drying	≤ 0.5%	0.15%	%	105°C Constant Weight Method
Residue on Ignition	≤ 0.1%	0.03%	%	Gravimetric Method (800±25°C)
Heavy Metals (Pb)	≤ 5 ppm	0.6 ppm	ppm	Atomic Absorption Spectrometry
Arsenic (As)	≤ 1 ppm	0.09 ppm	ppm	Atomic Fluorescence Spectrometry
Iron (Fe)	≤ 10 ppm	2.2 ppm	ppm	Colorimetric Method
Solubility Test	Soluble in ethanol, ether, chloroform; slightly soluble in water	Complies	-	Solubility Test Method
Related Substances (Total)	≤ 1.0%	0.28%	%	High Performance Liquid Chromatography
Related Substances (Single)	≤ 0.3%	0.07%	%	High Performance Liquid Chromatography
Sulfated Ash	≤ 0.1%	0.02%	%	Gravimetric Method

**Certification** This batch of Menadione has been tested in accordance with the relevant international industrial, pharmaceutical and feed standards. All test results meet the specified requirements, and the product is qualified for use.

**Authorized Signatory:** QA Manager **Issue Date:** 22 FEB 2026