



Specification

Menadione USP

Catalog Number: ME1008
CAS Number: 58-27-5
Synonym(s): 2-Methyl-1,4-naphthoquinone, Vitamin K₃
Molecular Formula: C₁₁H₈O₂
Molecular Weight: 172.18
Storage: 15°C – 30°C
Retest Period: Two years from the date of manufacture.

Test	Specification
Appearance	Yellow crystalline powder
Assay	≥ 98.5%
Identification (FTIR)	To match reference spectra
Melting Point	105°C – 107°C
Solubility	Chloroform (100mg/mL), EtOH (16mg/mL), DMSO (1mg/mL), Insoluble in water
Moisture (LOD)	≤ 0.3%
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Residue on Ignition	≤ 0.1%

Approved:

Date: August 1, 2018

John Grubb, PhD
Gojira Fine Chemicals
Quality Manager
Tel: 440-252-5397, Fax: 888-211-5523
docsupport@gojirafc.com