

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-09-30 09:42:05

Date of Next Testing: 2028-09-19 09:42:05

Product Name: **Vitamin K1**

CAS Number: 84-80-0

Grades & Purity: ≥98%, sum of Cis-trans

Lot #: I2624093

SKU #: **V104147**

Version: **0**

Analysis #: **789981**

Storage Temperature: Store at 2-8°C, Protected from light, Argon charged

Parameter	Limit Values	Result
Purity(Mixture of cis and trans isomers ,HPLC)	98-100 (%)	98.89000 %
Refractive index n ₂₀ /D	1.525-1.529	1.52580
Cis-isomer	0-21 (%)	0.00000 %
Appearance (V104147)	yellow to orange liquid	yellow to orange liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in CHCL ₃ , Yellow to Dark Yellow Clear 100 ul/ml	pass	Pass



John Su
QA & QC Manager