

# MenaQ7 Natural CryoCap

## Product Specification

**MenaQ7**  
Vitamin K2 as MK-7

Updated 31.10.18

MenaQ7 Natural CryoCap is a high purity vitamin K2 as MK-7 derived from natural fermentation, microencapsulated for enhanced stability.

### Regulatory Compliance

EFSA: Novel Food  
FDA: SaGRAS  
USP Monograph for MK7

## Product description and specifications

Product name	MenaQ7 Natural 2000 ppm CryoCap	
Item code	NP-0199-60103	
Content vitamin K2	2000 mcg K2/g	
Packaging	LDPE (low density polyethylene) bags with tamper evident sealing	
Contaminants	Aflatoxins comply with cUSP/cEP	Pesticides comply with cUSP/cEP
Product characteristics	White to pale yellow powder	Insoluble in water
	Typical particle size; 90% through 35 mesh	Typical bulk density is 0.2-0.7 g/cm <sup>3</sup>

## Shelf life, storage and handling

Shelf life	24 months in correct storage conditions in original packaging	
Light sensitivity	The product is very light sensitive and exposure may deteriorate K2 activity	
Storage temperature	Keep in original sealed container	Temperature 5°C - 25°C/41 - 77°F
	30 - 50% relative humidity	

## Parameters to be tested and reported on COAs

Parameters	Specification	Unit	Procedure	Test frequency
Identity	To match standard HPLC Profile	ppm	HPLC	Every batch
Total Vitamin K2	> 2000	ppm	HPLC/UPLC	Every batch
Lead (Pb)	≤ 0,5	ppm	cUSP/cEP	Every third batch
Mercury (Hg)	≤ 0,1	ppm	cUSP/cEP	Every third batch
Cadmium (Cd)	≤ 0,3	ppm	cUSP/cEP	Every third batch
Arsenic (As)	≤ 0,5	ppm	cUSP/cEP	Every third batch
Total aerobic microbial count	≤ 10 <sup>3</sup>	cfu/g	cUSP/cEP	Every batch
Total combined mold and yeast	≤ 10 <sup>2</sup>	cfu/g	cUSP/cEP	Every batch
Escherichia coli	Absent in 1	g	cUSP/cEP	Every batch
Salmonella sp.	Absent in 10	g	cUSP/cEP	Every batch
Staphylococcus aureus	Absent in 1	g	cUSP/cEP	Every batch
Bile tolerant gram negative bacteria*	≤ 10 <sup>2</sup> in 1	cfu/g	cUSP/cEP	Every batch

\* Bile tolerant gram negative bacteria include Pseudomona aeruginosa.