

MenaQ7 Natural GMS Powder

Product Specification

MenaQ7
Vitamin K2 as MK-7

Updated 29.10.18

MenaQ7 Natural products are high purity, all-*trans* vitamin K2 as MK-7 derived from natural fermentation, using a substrate based on chickpea powder.

Regulatory Compliance

EFSA: Novel Food
FDA: SaGRAS

Product description

Product name	MenaQ7 Natural 2000 ppm GMS Powder	
Item code	NP-0199-10403	
Content vitamin K2	2000 ppm mcg K2/g	
Packaging	Nitrogen pressurized, aluminium laminated bags with inner liners	
Contaminants	Aflatoxins comply with cUSP/cEP	Pesticides comply with cUSP/cEP
Product characteristics	Yellow to pale yellow powder Insoluble in water	Typical particle size is 100% through 40 mesh

Shelf life, storage and handling

Shelf life	Best before 30 months from manufacturing date if unopened and kept in correct storage conditions	
Light sensitivity	The product is very light sensitive and exposure may deteriorate K2 activity	
Storage	Keep in original sealed container 30 - 50% relative humidity	Room temperature (5 - 25°C/41 - 77°F)

Parameters to be tested and reported on COAs

Parameters	Specification	Unit	Procedure	Test frequency
Identity	To match standard HPLC profile		HPLC	Every batch
Total vitamin K2	≥ 2000	ppm	HPLC	Every batch
Loss on drying	≤ 5	%	105°C/4hr, USP	Every batch
Lead (Pb)	≤ 0,5	ppm	cUSP/cEP	Every batch
Mercury (Hg)	≤ 0,1	ppm	cUSP/cEP	Quarterly
Cadmium (Cd)	≤ 0,3	ppm	cUSP/cEP	Quarterly
Arsenic (As)	≤ 0,5	ppm	cUSP/cEP	Every batch
Total aerobic microbial count	≤ 10 ³	cfu/g	cUSP/cEP	Every batch
Total combined mold and yeast	≤ 10 ²	cfu/g	cUSP/cEP	Every batch
<i>Escherichia coli</i>	Absent in 1	g	cUSP/cEP	Every batch
<i>Salmonella sp.</i>	Absent in 10	g	cUSP/cEP	Every batch
<i>Staphylococcus aureus</i>	Absent in 1	g	cUSP/cEP	Every batch
<i>Bile-tolerant gram-negative bacteria*</i>	≤ 10 ²	cfu/g	cUSP/cEP	Every batch

**Bile-tolerant gram-negative bacteria* include members of the family *Enterobacteriaceae*, *Pseudomonads* and *Aeromonas*.