

MenaQ7 Natural MCC Powder

Product Specification

MenaQ7
Vitamin K2 as MK-7

Doc.: SPC-NP-0199-10103-01 Rev. 3

Natural 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 and specifications

Product name	MenaQ7 Natural 2000 ppm MCC Powder	
Item code	NP-0199-10103	
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	Yellow to pale yellow powder	Insoluble in water
	Typical particle size is 100 % through 40 mesh	Typical bulk density is 0.3 - 0.55 g/cm ³

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 temperature	Keep in original sealed container	Room temperature (5 - 25°/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	Every batch
Loss on drying	≤ 8	%	105°C/4hr	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 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 spp.</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*.