

CERTIFICATE OF ANALYSIS

VITAMK7 Vitamin K2 as MK-7 (10000 ppm)-W Menaquinone-7 USP grade

Batch Nr.: 0002002920

Manufacturing date: October 2020

Retest date: October 2024

Code: 0-V18-01

TESTS	SPECIFICATIONS	UM	RESULTS	ANALYTICAL METHOD REFERENCES
Appearance	Light yellowish powder	-	Complies	Visual
MK-7 Identification (HPLC)	Positive	-	Complies	USP < 621>/GN VK-001
Vitamin K2 (all-trans MK-7) assay (HPLC)	>= 10000	µg/g	10908	USP < 621>/GN VK-001
Purity: MK-6	<= 1,0	%	0,2	USP < 621>
Purity: Cis-MK-7	<= 1,0	%	0,4	USP < 621>
Purity: Single unknown impurity	<= 1,0	%	0,4	USP < 621>
Purity: Total Impurities	<= 2,0	%	0,8	USP < 621>
Loss on drying	<= 5,0	%	3,3	Ph.Eur.2.2.32
Heavy Metals	<= 10 ppm	-	Complies	Ph.Eur. 2.4.8, method C
Lead	<= 0,5	ppm	< 0,1	Ph.Eur.2.2.58 or 2.2.57/ USP< 233>
Cadmium	<= 0,5	ppm	< 0,1	Ph.Eur.2.2.58 or 2.2.57/ USP< 233>
Mercury	<= 0,1	ppm	< 0,0	Ph.Eur.2.2.58/USP< 233>
Arsenic	<= 1,5	ppm	< 0,1	Ph.Eur.2.2.58 or 2.2.57/ USP< 233>
Bulk density	0,3 - 0,7	g/ml	0,5	Ph.Eur.2.9.34
Total aerobic microbial count *	<= 10 ³	CFU/g	< 10	USP< 2021>
Total combined yeast and molds count *	<= 10 ²	CFU/g	< 10	USP< 2021>
E.Coli	Absent /10g	-	Complies	USP< 2022>
Salmonella Sp.	Absent /10g	-	Complies	USP< 2022>
S.aureus	Absent /10g	-	Complies	USP< 2022>

- 10³ CFU: MAXIMUM ACCEPTABLE COUNT= 2000

- 10² CFU: MAXIMUM ACCEPTABLE COUNT= 200

Storage: Carefully protected from light

Released by: Minniti Giovanni
Title: Quality Unit Director & QP
Date: November 06.2020