CERTIFICATE OF ANALYSIS

Test	Specification	Reference Method	Results
Appearance	Clear, pale yellow oil solution	Visual	Clear, pale yellow oil solution
ldentification	To match MK-7 reference standard profile	HPLC/USP38-NF33 MK-7 Preparation	Conforms
Total all-trans vitamin K2 MK-7	>5.00 %	HPLC/USP38-NF33 MK-7 preparation	5.12 %
Lead (Pb)	<3.0 μg/g	ICP-MS/ICP-OES, USP 233 or equivalent	<0.02 µg/g
Cadmium (Cd)	<1.0 μg/g	ICP-MS/ICP-OES, USP 233 or equivalent	<0.004 µg/g
Mercury (Hg)	<0.1 μg/g	ICP-MS/ICP-OES, USP 233 or equivalent	<0.01 μg/g
Arsenic (As)	<2.0 μg/g	ICP-MS/ICP-OES, USP 233 or equivalent	<0.01 µg/g
Total plate count	<10 ³ cfu/g	USP 2021/Ph. Eur. 2.6.12 or equivalent	<10 cfu/g
Total Moulds and yeasts	<10 ² cfu/g	USP 2021/Ph. Eur. 2.6.12 or equivalent	<10 cfu/g
E. coli	Absent in 1 g	USP 2022/Ph. Eur. 2.6.13 or equivalent	Absent in 1 g
Staphylococcus aureus	Absent in 1 g	USP 2022/Ph. Eur. 2.6.13 or equivalent	Absent in 1 g
Salmonella sp.	Absent in 10 g	USP 2022/Ph. Eur. 2.6.13 or equivalent	Absent in 10 g
Bile-tolerant gram-negative bacteria*	$\leq 10^2 \text{cfu/g}$	USP <62> or equivalent	<10 cfu/g

^{*}includes members of the family Enterobacteriaceae, Pseudomonads and Aeromonas

Certificate of Analysis

Details: Plant-source Vitamin D3 (Cholecalciferol) 1,000,000iu/g Oil.

Suitable for Vegetarians: Yes Suitable for Vegans: Yes

Test Specificatio	n Result
-------------------	----------

Appearance:Transparent oily liquidConformsColour:YellowConformsOdour:CharacteristicConformsIdentification:PositiveConformsPeroxide Value:< 10 Meg/kg</th>1.3 Meg/kg

Assay: 900,000 iu/g – 1,100,000 iu/g 1,005,245iu /g

 Heavy Metals:
 Max. 3 ppm
 0.1 ppm

 Lead (Pb):
 Max. 0.5 ppm
 0.01 ppm

 Cadmium (Cd):
 Max. 0.1 ppm
 0.01 ppm

 Arsenic (As):
 Max. 0.5 ppm
 0.01 ppm

 Mercury (Hg):
 Max. 0.1 ppm
 <0.01 ppm</td>

Chromium (Cr): Max. 0.1 ppm <0.01 ppm

Total Viable Count (TVC):Max.3,000 cfu/g<10cfu/g</th>Yeasts & moulds:Max. 300 cfu/g<10cfu/g</th>E.Coli:NegativeConformsSalmonella:NegativeConformsStaphylococus Aureus:NegativeConforms

Staphylococus Aureus:NegativeConformsColiforms:NegativeConforms

GMO Status:Non-GMONon-GMOIrradiation Status:Non-irradiatedNon-irradiatedTSE/BSE Status:TSE/BSE freeTSE/BSE free



GBAGROUP FOOD

GBA Gesellschaft für Bioanalytik mbH \cdot Goldtschmidtstr. 5 \cdot 21073 Hamburg

Sunday Natural Products GmbH Potsdamer Str. 81c, Gebäude H 10785 Berlin







Ihr Ansprechpartner: Lennart Kühn Tel. +49 (0)40 797172-787 L.Kuehn@gba-group.de

16.04.2019

Konformitätsbescheinigung

Firma:

Sunday Natural Products GmbH

Potsdamer Str. 81c, 10785 Berlin

Produkt:

Vitamin D3 + K2 MK7 1000 IE + 50µg all trans 300 Tropfen VEGAN (SKU 3958)

Batch Nr. L01901

Prüfbericht 19014441-002b ersetzt 19014441-002

Der auf der Flasche angegebene Gesamtgehalt an Vitamin D3 wird ausweislich des Ergebnisses der durchgeführten Untersuchung im Rahmen der Messunsicherheit der Methodik zum Zeitpunkt der Analyse eingehalten.

Hamburg, den 16.04.2019

i. A. L. Kühn

(Staatl. gepr. Lebensmittelchemiker / Kundenbetreuung)

CERTIFICATE OF ANALYSIS

AN_SYN_19_109_3 Sample ID SAM19-11 Page 1 of 1 Version 1

Web:www.synthetica.no

Org. no. NO 882 512 142

CoA K2 content in Sunday- Vitamin K2 drops

Objective: Analysis of K2 (all-trans MK-7) content and isomeric purity

Date of analysis: 25.03.2019

Analysis Method: <u>USP41 Menaguinone-7; Content of Menaguinone-7 Method2</u>

The amount of K2 (MK-7) in the material is determined by HPLC (qualified instrument Agilent 1260), with UV detection at 268 nm, using external standard calibration method. MK-7 is released from the

matrix by adding THF and EtOH to the product (drops).

USP41 Menaquinone-7; Isomeric purity

Determination of MK-7 isomeric purity by HPLC. The all-trans MK-7 isomer is quantified as % area of the total MK-7 peak area in the

chromatogram.

Sample/Result:

Sample			
Marketer	Sunday		
Product name	Vitamin D3 + K2 MK7 1000 IE + 50µg all trans 300 Tropfen		
	VEGAN		
Batch no.	3958 (L01901)		
Analysis	Label claim K2 (all-trans MK-7/item)	Result	
K2 (all-trans MK-7) content	50 μg/drop	Complies	

Drop weight of 28 mg/drop used in the calculation (provided by manufacturer)

The investigation has shown that the product Vitamin D3 + K2 MK7 1000 IE + 50μg all trans 300 Tropfen VEGAN/batch 3958 (L01901), with respect to content of vitamin K2 MK-7 all-trans, meets the product specifications given on the label.

Telephone: +47 99699120

E-mail:

Info@synthetica.no

Prepared by:	
Solveig Nordst	rand/08.05.2019
Senior Researc	ch Scientist