

FARMADENT d.o.o.
 Minarikova ul. 6
 2000 Maribor
 Prejel: FUJS DRAGO

RA: H

Datum prejema: 19.12.12
 Pregledal: MAROLT Robert, mag. farm., spec.

Datum pregleda: 19.12.2012



HENRY LAMOTTE OILS GMBH, POSTFACH / P.O. BOX 10 38 49, D-28038 BREMEN

Pharmachem Jozef Susnik
 Dipl. Ing., S.P.

production date: 11/2012

expiry date: 08/2014

Vidovdanska 2
 1000 Ljubljana
 Slovenia

„PHARMACHEM“
 SUŠNIK JOZEF dipl. Ing., s.p.
 LJUBLJANA, Vidovdanska 2

Order No.: via Email dated 08.11.12

Bremen, 16.11.2012

Certificate of Analysis – KEY BRAND

OLEUM TECORIS

MEDICINAL COD LIVER OIL, PH.EUR., IDENTITY PRESERVED

lot: 0119929
 BP 2012 Type A , USP 35, Ph.Eur.7, Supplement 7.5 Typ A

Appearance	complies
Specific gravity (20 degree C)	0,925
Specific gravity (25 degree C)	0,922
Refractive index (20 degree C)	1,480
Acid value	0,06
Anisidine value	2,3
Peroxide value	
Peroxide value	complies
Iodine value	161
Saponification value	186
Water	0,04 %
Unsaponifiable Matter	0,6 %
Cold test 3h at 0°C	clear
Colour gardner	0,7
Colour lovibond 5 1/4" yellow	4,9
Colour lovibond 5 1/4" red	0,3

Fatty acid composition

Saturated fatty acids:

Lauric acid	(C 12:0)	< 0,05 %
Myristic acid	(C 14:0)	3,44 %
Pentadecane acid	(C 15:0)	0,31 %
Palmitic acid	(C 16:0)	9,66 %
Margaric acid	(C 17:0)	0,51 %
Stearic acid	(C 18:0)	2,21 %
Arachidic acid	(C 20:0)	< 0,05 %
Behenic acid	(C 22:0)	< 0,05 %
Lignoceric acid	(C 24:0)	0,37 %

Unsaturated fatty acids:

Myristoleic acid	(C 14:1)	0,25 %
Palmitoleic acid	(C 16:1)	8,67 %
cis-Vaccenic acid	(C 18:1 (n-7))	5,18 %
Oleic acid	(C 18:1 (n-9))	15,81 %
Gadoleic acid	(C 20:1 (n-11))	1,22 %
Gondoic acid	(C 20:1 (n-9))	11,70 %
Erucic acid	(C 22:1 (n-9))	0,62 %

[Signature]
 28.11.12

MEDICINAL COD LIVER OIL, PH.EUR., IDENTITY PRESERVED



BP 2012 Type A , USP 35, Ph.Eur.7, Supplement 7.5 Typ A
lot: 0119929

Cetoleic acid	(C 22:1 (n-11))	5,58 %
Polyunsaturated fatty acids:		
Linoleic acid	(C 18:2)	2,12 %
Linolenic acid	(C 18:3 (n-3))	1,18 %
Morotic acid	(C 18:4 (n-3))	2,25 %
Eicosanedienoic acid	(C 20:2)	0,38 %
Eicosanetrienoic acid	(C 20:3 (n-3))	< 0,05 %
Eicosanetrienoic acid	(C 20:3 (n-6))	0,07 %
Eicosanetetraenoic acid	(C 20:4 (n-3))	< 0,05 %
Arachidonic acid	(C 20:4 (n-6))	0,62 %
Eicosapentaenoic acid	(C 20:5 (n-3), EPA)	7,90 %
Docosatetraenoic acid	(C 22:4)	0,21 %
Docosapentaenoic acid	(C 22:5 (n-3), DPA)	1,07 %
Docosahexaenoic acid	(C 22:6 (n-3), DHA)	11,11 %

Vitamin A	1330 i.U./g
Vitamin D3	127 i.U./g

Pesticides	
Organochloropesticides	complies to RHmV
Organophosphoruspesticides	complies to RHmV
Toxaphen	complies to RHmV

Polychlorinated biphenyls	
28	< 0,02 mg/kg
52	< 0,02 mg/kg
101	< 0,02 mg/kg
138	< 0,02 mg/kg
153	< 0,02 mg/kg
180	< 0,02 mg/kg

Dioxin	
WHO-PCDD/F-TEQ (Total Dioxins)	0,112 pg/g
WHO-PCDD/F-PCB-TEQ (Dioxins + dioxin-like PCBs)	0,442 pg/g

Identity	complies
Purity	complies

Solvent residues: The pharmaceutical auxiliary material fulfils the requirements made of solvent residues in the European Pharmacopoeia (CPMP/ICH/283/95) and the USP (467 Residual solvents). Notwithstanding, the food law requirements are fulfilled.

This product in question is not affected by the GMO problem. Therefore this product does not need to be labelled regarding any genetic modification as per the new GMO regulations 1829/2003 and 1830/2003.

HENRY LAMOTTE OILS GMBH

Computer edited certificate - valid without signature