

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

Pharmachem d.o.o.

production date: 07/2022

Kopraska Ulica 106C

expiry date: 07/2024

1000 Ljubljana
Slovenia

Order No: YOUR E-MAIL dated 20.12.2022

Certificate of Analysis

09.01.2023

MEDICINAL COD LIVER OIL, PH.EUR., IDENTITY PRESERVED, MSC-QUALITY

lot: 8009824001

Ph.Eur.10, Supplement 10.8, Ph.Eur.10, 2020, Typ A, BP 2022 Type A

□

Appearance		complies
Specific gravity (20 degree C)		0,923
Specific gravity (25 degree C)		0,921
Refractive index (20 degree C)		1,477
Acid value		0,11
Anisidine value		7,6
Peroxide value		complies
Iodine value		152
Saponification value		186
Water		0,01 %
Unsaponifiable Matter		0,9 %
Cold test 3h at 0°C		clear
Colour gardner		4,0
Colour lovibond 5 1/4" yellow		39,0
Colour lovibond 5 1/4" red		1,9

□

Fatty acid composition		
Saturated fatty acids:		
Lauric acid	(C 12:0)	< 0,1 %
Myristic acid	(C 14:0)	3,8 %
Pentadecane acid	(C 15:0)	0,3 %
Palmitic acid	(C 16:0)	10,1 %
Margaric acid	(C 17:0)	0,4 %
Stearic acid	(C 18:0)	2,2 %
Arachidic acid	(C 20:0)	< 0,1 %
Behenic acid	(C 22:0)	< 0,1 %
Lignoceric acid	(C 24:0)	< 0,1 %
Unsaturated fatty acids:		
Myristoleic acid	(C 14:1)	0,3 %
Palmitoleic acid	(C 16:1)	7,6 %
cis-Vaccenic acid	(C 18:1 (n-7))	4,7 %
Oleic acid	(C 18:1 (n-9))	15,2 %
Gadoleic acid	(C 20:1 (n-11))	2,2 %
Gondoic acid	(C 20:1 (n-9))	10,9 %
Erucic acid	(C 22:1 (n-9))	0,9 %

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Cetoleic acid	(C 22:1 (n-11))	8,5 %
Polyunsaturated fatty acids:		
Linoleic acid	(C 18:2)	1,4 %
Linolenic acid	(C 18:3 (n-3))	0,6 %
Morocitic acid	(C 18:4 (n-3))	1,4 %
Eicosanedienoic acid	(C 20:2)	0,3 %
Eicosanetrienoic acid	(C 20:3 (n-3))	0,2 %
Eicosanetrienoic acid	(C 20:3 (n-6))	0,7 %
Eicosanetraenoic acid	(C 20:4 (n-3))	< 0,1 %
Arachidonic acid	(C 20:4 (n-6))	0,3 %
Eicosapentaenoic acid	(C 20:5 (n-3), EPA)	7,5 %
Docosatetraenoic acid	(C 22:4)	< 0,1 %
Docosapentaenoic acid	(C 22:5 (n-3), DPA)	1,3 %
Docosahexaenoic acid	(C 22:6 (n-3), DHA)	9,7 %
<input type="checkbox"/>		
Vitamin A		1233 i.U./g
Vitamin D3		117 i.U./g
<input type="checkbox"/>		
Pesticides		
Organochloropesticides		complies to RHmV
Organophosphoruspesticides		complies to RHmV
Toxaphen		complies to RHmV
<input type="checkbox"/>		
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
<input type="checkbox"/>		
Dioxin		
WHO-PCDD/F-TEQ (Total Dioxins)		0,160 pg/g
WHO-PCDD/F-PCB-TEQ (Dioxins + dioxin-like PCBs)		0,790 pg/g
<input type="checkbox"/>		
Identity		complies
Purity		complies
<input type="checkbox"/>		

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

