

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

Pharmachem d.o.o.

expiry date: 09/2023

Koprska Ulica 106C

1000 Ljubljana

Slovenia

Order No: per Mail vom 05.11.2021

## Certificate of Analysis

10.11.2021

### OLIVE OIL, REFINED

lot: 8008785001

Ph.Eur.10, 2020, BP 2021

Specific gravity (20 degree C)	0,913
Refractive index (20 degree C)	1,469
Acid value	0,16
Absorption at 270 nm	0,59
Iodine value	78
Saponification value	191
Peroxide value	complies
Unsaponifiable Matter	1,40 %
Colour gardner	2,4
Colour lovibond 5 1/4" yellow	11,0
Colour lovibond 5 1/4" red	1,6
Sesameoil	complies
Alkaline impurities	complies
Water	< 0,1 %

### Fatty acid composition

Lauric acid	(C 12:0)	< 0,1 %
Myristic acid	(C 14:0)	< 0,1 %
Myristoleic acid	(C 14:1)	< 0,1 %
	(< C 16:0)	< 0,1 %
Palmitic acid	(C 16:0)	11,3 %
Palmitoleic acid	(C 16:1)	0,8 %
Margaric acid	(C 17:0)	0,1 %
Heptadecenoic acid	(C 17:1)	0,1 %
Stearic acid	(C 18:0)	4,0 %
Oleic acid and isomers	(C 18:1)	74,9 %
Linoleic acid	(C 18:2)	6,9 %
Linolenic acid	(C 18:3)	0,7 %
Octadecatetraenoic acid	(C 18:4)	< 0,1 %
Arachidic acid	(C 20:0)	0,5 %
Eicosenoic acid	(C 20:1)	0,2 %
Eicosanedienoic acid	(C 20:2)	< 0,1 %
Eicosanetraenoic acid	(C 20:4)	< 0,1 %
Behenic acid	(C 22:0)	0,2 %
Erucic acid	(C 22:1)	< 0,1 %
Lignoceric acid	(C 24:0)	< 0,1 %
Nervonic acid	(C 24:1)	< 0,1 %



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Sterols in %	
beta-sitosterol*	94,6 %
delta-7-stigmastenol	0,4 %
Campesterol	3,3 %
Stigmasterol	1,0 %
Cholesterol	0,1 %
Stigmasterol	<campesterol

\* Sum of contents of beta-Sitosterol, delta 5,23-stigmastadienol, clerosterol, sitostanol, delta 5-avenasterol und delta 5,24-stigmastadienol

Identity complies  
Purity complies

According to all relevant requirements in terms of unwanted substances in food, like residues of pesticides and other contaminants, compliance is given by an appropriate and risk-based monitoring plan. This plan is regular monitored and adjusted, if necessary.

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.

TSE/BSE risk: This raw material is of pure vegetable origin; during its production, storage and transport it has no contact with animal materials so that any contamination can be ruled out. It is therefore not affected by the regulations with regard to the guidelines stated in chapter 5.2.8 of the European Pharmacopoeia.

HENRY LAMOTTE OILS GMBH

Computer edited certificate - valid without signature

A handwritten signature in black ink, appearing to read 'Rožamarija Čučnik', is written over a faint, larger version of the same signature.

ROŽAMARIJA ČUČNIK MAG.FARM.  
STROKOVNI SODELAVEC

19 -11- 2021