

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

Pharmachem Jozef Susnik
Dipl. Ing., S.P
Vidovdanska 2

production date: 06/2018

expiry date: 06/2020

1000 Ljubljana
Slovenia

Order No.: IHRE TELEFONISCHE BESTELLUNG VOM 29.06.2018

Certificate of Analysis

16.08.2018

OLIVE OIL, REFINED

lot: 8004329001

Ph.Eur.9, Supplement 9.3, BP 2018

| | | |
|--------------------------------|--|----------|
| Specific gravity (20 degree C) | | 0,913 |
| Refractive index (20 degree C) | | 1,469 |
| Acid value | | 0,15 |
| Absorption at 270 nm | | 0,47 |
| Iodine value | | 81 |
| Saponification value | | 192 |
| Peroxide value | | complies |
| Unsaponifiable Matter | | 0,65 % |
| Colour gardner | | 1,5 |
| Colour lovibond 5 1/4" yellow | | 9,2 |
| Colour lovibond 5 1/4" red | | 1,1 |
| 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) | 11,9 % |
| Palmitoleic acid | (C 16:1) | 0,9 % |
| Margaric acid | (C 17:0) | 0,1 % |
| Heptadecenoic acid | (C 17:1) | 0,2 % |
| Stearic acid | (C 18:0) | 1,2 % |
| Oleic acid and isomers | (C 18:1) | 76,4 % |
| Linoleic acid | (C 18:2) | 7,3 % |
| Linolenic acid | (C 18:3) | 0,6 % |
| Octadecatetraen acid | (C 18:4) | < 0,1 % |
| Arachidic acid | (C 20:0) | 0,5 % |
| Eicosenoic acid | (C 20:1) | 0,3 % |
| Eicosanedienoic acid | (C 20:2) | < 0,1 % |
| Eicosanetetraenoic acid | (C 20:4) | < 0,1 % |
| Behenic acid | (C 22:0) | 0,2 % |
| Erucic acid | (C 22:1) | < 0,1 % |

ROŽAMARIJA ČUČNIK MAG.FARM.
STROKOVNI SODELAVEC

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22-08-2018

Rožamarija Čučnik

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| | | |
|---|----------|---------------|
| Lignoceric acid | (C 24:0) | 0,1 % |
| Nervonic acid | (C 24:1) | < 0,1 % |
| Sterols in % | | |
| beta-sitosterol* | | 94,6 % |
| Delta-7-stigmastenol | | 0,3 % |
| Campesterol | | 3,1 % |
| Stigmasterol | | 1,1 % |
| Cholesterol | | 0,3 % |
| 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