

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

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

production date: 11/2013

expiry date: 11/2015

Vidovdanska 2
1000 Ljubljana
Slovenia

Order No.: via Email dated 27.01.2014

Certificate of Analysis – KEY BRAND

Bremen, 07.02.2014

OLIVE OIL, REFINED

lot: 5623401

Ph.Eur.7, Supplement 7.2, BP 2013

Specific gravity (20 degree C)	0,913
Refractive index (20 degree C)	1,469
Absorption at 270 nm	0,38
Iodine value	78
Saponification value	192
Acid value	0,15
Peroxide value	complies
Unsaponifiable Matter	0,45 %
Colour gardner	0,8
Colour lovibond 5 1/4" yellow	5,6
Colour lovibond 5 1/4" red	0,6
Sesameoil	complies
Alkaline impurities	complies
Water	0,02 %

Fatty acid composition

Lauric acid	(C 12:0)	< 0,05 %
Myristic acid	(C 14:0)	< 0,05 %
Myristoleic acid	(C 14:1)	< 0,05 %
	(< C 16:0)	< 0,05 %
Palmitic acid	(C 16:0)	11,47 %
Palmitoleic acid	(C 16:1)	0,80 %
Margaric acid	(C 17:0)	0,10 %
Heptadecic acid	(C 17:1)	0,14 %
Stearic acid	(C 18:0)	3,35 %
Oleic acid	(C 18:1)	75,59 %
Linoleic acid	(C 18:2)	5,90 %
Linolenic acid	(C 18:3)	0,68 %
Octadecatetraen acid	(C 18:4)	< 0,05 %
Arachidic acid	(C 20:0)	0,44 %
Eicosenoic acid	(C 20:1)	0,28 %
Eicosanedienoic acid	(C 20:2)	0,30 %
Eicosanetraenoic acid	(C 20:4)	< 0,05 %
Behenic acid	(C 22:0)	0,17 %
Erucic acid	(C 22:1)	< 0,05 %
Lignoceric acid	(C 24:0)	0,07 %
Nervonic acid	(C 24:1)	< 0,05 %
Other		0,71 %

FARMADENT d.o.o.
Minarikova ul. 6
2000 Maribor
Prejel: RUJS DRAGO
Datum prejema: 12.3.14
Pregledal: MAROLT R. meri, mag. farm. spec.
Datum pregleda: 12.3.2014

13 -02- 2014

ROŽAMARIJA ČUČNIK MAG.FARM.
STROKOVNI SODELAVEC

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Rožamarija Čučnik

OLIVE OIL, REFINED

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Sterols in %	
beta-sitosterol*	94,6 %
Delta-7-stigmastenol	0,3 %
Campesterol	3,1 %
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

The compliance with the regulations of VO (EG) No. 1881/2006, current version, concerning the determination of the maximum contents of certain contaminants in food with respect to polycyclic aromatic hydrocarbons (PAH) and dioxins are guaranteed by suitable monitoring examinations.

Solvent residues: The pharmaceutical auxiliary material fulfills 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.

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