HENRY LAMOTTE OILS

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

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

1000 Ljubljana
Slovenia

production date: 03/2016
expiry date: 03/2018

Order No.: YOUR E-MAIL DTD. 15.04.2016

Certificate of Analysis – KEY BRAND

Bremen, 12.05.2016

OLIVE OIL, REFINED
lot: 8001695001
Ph.Eur.8, 2014, BP 2016

Specific gravity (20 degree C)		0,913
Refractive index (20 degree C)		1,469
Absorption at 270 nm		0,39
Iodine value		80
Saponification value		192
Acid value		0,17
Peroxide value		complies
Unsaponifiable Matter		0,30 %
Colour gardner		1,3
Colour lovibond 5 1/4" yellow		6,8
Colour lovibond 5 1/4" red		0,6
Sesameoil		complies
Alkaline impurities		complies
Water		0,01 %
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)	10,99 %
Palmitoleic acid	(C 16:1)	0,91 %
Margaric acid	(C 17:0)	0,08 %
Heptadecenoic acid	(C 17:1)	0,13 %
Stearic acid	(C 18:0)	3,84 %
Oleic acid	(C 18:1)	75,37 %
Linoleic acid	(C 18:2)	7,04 %
Linolenic acid	(C 18:3)	0,56 %
Octadecatetraen acid	(C 18:4)	< 0,05 %
Arachidic acid	(C 20:0)	0,45 %
Eicosenoic acid	(C 20:1)	0,25 %
Eicosanedienoic acid	(C 20:2)	< 0,05 %
Eicosanetetraenoic acid	(C 20:4)	< 0,05 %
Behenic acid	(C 22:0)	0,13 %
Erucic acid	(C 22:1)	< 0,05 %
Lignoceric acid	(C 24:0)	0,06 %

ROŽAMARIJA ČUČNIK MAG.FARM.
STROKOVNI SODELAVEC

24 -05- 2016

OLIVE OIL, REFINED
Ph.Eur.8, 2014, BP 2016
lot: 8001695001

Nervonic acid	(C 24:1)	< 0,05 %
Other		0,19 %

Sterols in %	
beta-sitosterol*	94,4 %
Delta-7-stigmastenol	0,3 %
Campesterol	3,2 %
Stigmasterol	1,3 %
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.

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.

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Computer edited certificate - valid without signature