

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: 06/2017

expiry date: 06/2019

1000 Ljubljana
Slovenia

Certificate of Analysis – KEY BRAND

21.09.2017

OLIVE OIL, REFINED

lot: 8003181001

Ph.Eur.9, 2017, BP 2017

Specific gravity (20 degree C)	0,913
Refractive index (20 degree C)	1,469
Acid value	0,19
Absorption at 270 nm	0,54
Iodine value	79
Saponification value	191
Peroxide value	complies
Unsaponifiable Matter	0,70 %
Colour gardner	2,0
Colour lovibond 5 1/4" yellow	9,8
Colour lovibond 5 1/4" red	1,0
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)	11,0 %
Palmitoleic acid	(C 16:1)	0,7 %
Margaric acid	(C 17:0)	0,1 %
Heptadecenoic acid	(C 17:1)	0,1 %
Stearic acid	(C 18:0)	3,5 %
Oleic acid	(C 18:1)	75,9 %
Linoleic acid	(C 18:2)	6,7 %
Linolenic acid	(C 18:3)	0,5 %
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)	0,1 %
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	0,9 %
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.

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Computer edited certificate - valid without signature