

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

Vidovdanska 2
1000 Ljubljana
Slovenia

Order No.: via Email dated 07.05.2013

production date: 05/2013

expiry date: 08/2014

FARMADENT d.o.o.	
Minarikova ul. 6	
2000 Maribor	
Prejel: FUJS DRAGO	
<i>Ze</i>	
Datum prejema:	23.10.13
Pregledal:	MAROLT Robert, mag. farm., spec.
Datum pregleda:	24.10.2013

Certificate of Analysis – KEY BRAND

Bremen, 18.06.2013

ALMOND OIL, REFINED

lot: 5438302

Ph.Eur.7, 2011, BP 2013

Specific gravity (20 degree C)	0,916
Specific gravity (25 degree C)	0,915
Refractive index (20 degree C)	1,471
Acid value	0,02
Peroxide value	complies
Iodine value	101
Saponification value	191
Specific absorbance at maximum at 270nm	4,020
Unsaponifiable Matter	0,62 %
Water	0,02 %
Colour gardner	0,4
Colour lovibond 5 1/4" yellow	5,1
Colour lovibond 5 1/4" red	0,7

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)	6,37 %
Palmitoleic acid	(C 16:1)	0,47 %
Margaric acid	(C 17:0)	0,07 %
Heptadecic acid	(C 17:1)	0,11 %
Stearic acid	(C 18:0)	1,49 %
Oleic acid	(C 18:1)	66,18 %
Linoleic acid	(C 18:2)	25,03 %
Linolenic acid	(C 18:3)	0,12 %
Octadecatetraen acid	(C 18:4)	< 0,05 %
Arachidic acid	(C 20:0)	0,08 %
Eicosenoic acid	(C 20:1)	0,07 %
Eicosanedienoic acid	(C 20:2)	< 0,05 %
Eicosanetetraenoic acid	(C 20:4)	< 0,05 %
Behenic acid	(C 22:0)	< 0,05 %
Erucic acid	(C 22:1)	< 0,05 %
Lignoceric acid	(C 24:0)	< 0,05 %
Nervonic acid	(C 24:1)	< 0,05 %
Other		0,06 %

ROŽAMARIJA ČUČNIK MAG.FARM.
STROKOVNI SODELAVEC



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19-06-2013

ALMOND OIL, REFINED
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Sterols in %	
Cholesterol	< 0,1 %
Campesterol	3,6 %
Stigmasterol	1,6 %
beta-sitosterol	78,3 %
Delta-5-avenasterol	9,1 %
Delta-7-avenasterol	0,7 %
Delta-7-stigmasterol	0,8 %
Brassicasterol	< 0,1 %
Identity	complies
Purity	complies

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.

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.

HENRY LAMOTTE OILS GMBH

Computer edited certificate - valid without signature