



Certificate of Analysis

FARMADENT d.o.o.
Minaričkova ul. 6
2000 Maribor
Prejel: FUJS DRAGO
XA: 4
Datum prejema: 1.4.14
Pregledal: MAROLT Robert / mag. farm. spec.
Datum pregleda: 24.2014

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Productname: Olivae oleum raffinatum
Inspection No: A01424/0213/536
Batchnumber: 12L10-T52-001431
Expiration date: 31.12.2014
Analysed according to: ČL 2009 - Dopl.2011, Ph.Eur.7.2
Batch no. of vendor: 125714

Customer: FAGRON a.s.
Sample Unit: 1 x 900 g
Batch Size: 500 x 900 g

	Requirement	Result	Unit	Standard remark
CHARACTERS				
Appearance	Clear, colourless or greenish-yellow transp. liquid.	Conform		
Solubility	Conform	Conform		
Relative density	About 0,913	0,914		
IDENTIFICATION				
Acid value	$\leq 0,3$	0,15		acid value
Identification B	Conform	Conform		fatty oils, TLC
TESTS				
Acid value	$\leq 0,3$	0,15		
Peroxide value	$\leq 10,0$	1,3		
Unsaponifiable matter	$\leq 1,5$	0,7	%	
Alkaline impurities	$\leq 0,1$	Conform	ml	0,01 mol/l HCl
Spec. absorbance (270 nm)	$\leq 1,20$	0,44		
Composition of fatty acids	Conform	Conform		
Saturated fatty acids < C16	$\leq 0,1$	<0,05	%	GC
Palmitic acid	7,5 - 20,0	11,2	%	
Palmitoleic acid	$\leq 3,5$	0,9	%	
Stearic acid	0,5 - 5,0	3,5	%	
Oleic acid	56,0 - 85,0	76,7	%	
Linoleic acid	3,5 - 20,0	6,0	%	
Linolenic acid	$\leq 1,2$	0,7	%	
Arachidic acid	$\leq 0,7$	0,4	%	
Eicosenoic acid	$\leq 0,4$	0,3	%	
Behenic acid	$\leq 0,2$	0,1	%	
Lignoceric acid	$\leq 0,2$	0,1	%	
Sterols	Conform	Conform		
sum of contents of sterols	$\geq 93,0$	93,7	%	
cholesterol	$\leq 0,5$	0,2	%	
delta 7-stigmasterol	$\leq 0,5$	0,3	%	
campesterol	$\leq 4,0$	2,2	%	
stigmasterol $\leq$ campesterol	Conform	Conform		
Sesame oil	Conform	Conform		
Water (Karl Fischer)	$\leq 0,1$	0,01	%	
Microbiology	Conform	Conform		
TAMC	$\leq 2 \times 10^3$	Conform	CFU/g	
TYMC	$\leq 2 \times 10^2$	Conform	CFU/g	

Name Fragron a.s. (CZ)
Kontrolní laboratoř č. 536

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Performed by: Alena Poláchová
Responsible: Ing. Martina Zemanová, QC
Ing. Hana Orságová, QA
Date: 26.02.2013

Conclusion: **APPROVED**

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