



UNION OF AGRICULTURAL COOPERATIVES OF IRAKLION

CHEMICAL LABORATORY: TEL:+302810 381275 FAX: +302810 380926
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CERTIFICATE OF ANALYSIS

Sample: KNOSSOS (080110114911)

DATE: 30/01/2008

OIL TYPE: EXTRA VIRGIN OLIVE OIL

<u>OXYDATION</u>		<u>STEROLIC COMPOSITION</u>	
ACIDITY:	0,4%	TOTAL STEROLIC FRACTION	1145mgr/kg
PEROXIDE VALUE :	7,5meqO ₂ /kg		
K270:	0,138	CHOLESTEROLE	0,18%
K232:	1,825	BRASICASTEROLE	0,00%
DK :	-0,005	24-METHYLEN CHOLESTEROLE	0,41%
		CAMP ESTEROLE	3,50%
		CAMPESTANOLE	0,02%
<u>FATTY ACIDS COMPOSITION</u>		STIGMASTEROLE	0,53%
LAURIC ACID (12:0)	0,00%	D7-CAMPESTEROLE	0,00%
MYRISTIC ACID (14:0)	0,01%	D5,23-STIGMASTADIENOLE	0,00%
PALMITIC ACID (16:0)	11,32%	CLEROSTEROLE	0,87%
PALMITOLEIC ACID (18:1)	0,86%	?-SITOSTEROLE	72,49%
HEPTADECANOIC ACID (17:0)	0,04%	SITOSTANOLE	0,11%
HEPTADECENOIC ACID (17:1)	0,07%	D5-AVENASTEROLE	20,90%
STEARIC ACID (18:0)	2,71%	D5,24-STIGMASTADIENOLE	0,47%
OLEIC ACID (18:1)	76,93%	D7-STIGMASTENOLE	0,22%
LINELAIC ACID (18:2)	6,51%	D7-AVENASTEROLE	0,30%
LINOLENIC ACID (18:3)	0,71%		
ARACHIDIC ACID (20:0)	0,48%	B-SITOSTEROLE (TOTAL)	94,85%
EICOSENOIC ACID (20:1)	0,30%		
BEHENIC ACID (22:0)	0,17%	ERYTHRODIOLE-UVAOLE	2,58%
LIGNOCERIC ACID (24:0)	0,06%	WAXES	70mgr/kg
<u>TRANS ISOMERS</u>		<u>PESTICIDES RESIDUES</u>	
OLEIC	0,00%	FENTHION	<0.01 mgr/kg
LINELAIC - LINOLENIC	0,00%	DIMETHOATE	< 0.01 mgr/kg
<u>HALOGENATED VOLATILE SOLVENTS</u>		<u>DIFFERENCE BETWEEN ECN42 AND OF THEORITICAL CALCULATION</u>	
FREON	0mgr/kg		0,023
CARBON TETRACHLORIDE	0mgr/kg	<u>HEAVY METALS</u>	
TRICHLOROETHYLENE	0mgr/kg	LEAD	< 0.10 mgr/kg
TETRACHLOROETHYLENE	0mgr/kg	COPPER	0.20 mgr/kg
OTHER SOLVENTS	0mgr/kg	ARSENIC	< 0.05 mgr/kg
TOTAL SOLVENTS	0mgr/kg	IRON	1.70mgr/kg



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TOTAL TOCOPHEROL	239mgr/kg	TOTAL POLIPHENOL COUNTENT	338mgr/kg
a-TOCOPHEROL	<u>218mgr/kg</u>		
b+y -TOCOPHEROL	21mgr/kg	HUMIDITY	0.07%
d-TOCOPHERPL	<u>0mgr/kg</u>		

RESULTS: EXTRA VIRGIN OLIVE OIL
ACCORDING TO EUROPEAN RULE
2568/91 AND FOLLOWING AMENDMENT

THE
CHEMIST

MICHELINAKIS EMM

Results are for the given sample only. Copying of this certificate, except in full, is forbidden without explicit written permission by the lab.