



### CHEMICAL ANALYSIS REPORT

BYER: ΕΛΤΡΟ ΑΕ  
 TYPE OF OIL: EXTRA VIRGIN OLIVE OIL PDO KALAMATA  
 PACKAGING: IN BULK, 919 KG  
 BATCH NO, EXPIRATION DATE: L58901, 01/03/2024  
 SECURITY SEALS NO: 19420-19

<b>ACIDITY</b> (in oleic acid %): Method: COI/T.20/Doc. No 34	0,39	(max 0,50)
<b>K<sub>268</sub></b> (in isooctane): Method: COI/T.20/Doc. No 19	0,123	(max 0,20)
<b>K<sub>232</sub></b> : Method: COI/T.20/Doc. No 19	1,666	(max 2,20)
<b>DK</b> : Method: COI/T.20/Doc. No 19	0,002	(max 0,01)
<b>Peroxide number (meq O<sub>2</sub>/kg)</b> : Method: COI/T.20/Doc. No 35	8,00	(max 14,0)

#### FATTY ACID COMPOSITION

Method: Gas Chromatography (GC-FID), COI/T.20/Doc. No 33

PARAMETER	RESULT	LEGISLATIVE LIMIT
	(%) fatty acid, of total fatty acids	
C12:0 (lauric acid)		-
C14:0 (myristic acid)	0,01	max 0,03
C16:0 (palmitic acid)	12,00	10,00 – 15,00
C16:1 (palmitoleic acid)+isomer	0,87	0,60 – 1,20
C17:0 (heptanoic acid)	0,04	max 0,30
C17:1 (heptenoic acid)	0,06	max 0,30
C18:0 (stearic acid)	2,72	2,00 – 4,00
C18:1 (oleic acid)(ω9)	76,98	70,00 – 80,00
C18:2 (linoleic acid)(ω6)	5,65	4,00 – 11,00
C18:3 (linolenic acid)(ω3)	0,67	max 1,0
C20:0 (arachidic acid)	0,46	max 0,6
C20:1 (eicosenoic acid)	0,30	max 0,5
C22:0 (behenic acid)	0,15	max 0,20
C22:1 (erucic acid)(ω9)		-
C24:0 (lignoceric acid)	0,06	max 0,20
C18 :1 trans :	0,01	max 0,05
C 18 :2 trans + C18 :3 trans :	0,02	max 0,05

ΕΛΤΡΟ ΑΕ  
 STORAGE & TRADING OF OIL PRODUCTS  
 21, MARATHONOS INDUSTRIAL AREA - N. EFKARPIA  
 THESSALONIKI, GREECE 56430  
 TEL:+30 2310 682134 FAX:+30 2310 682134  
 V.A.T.: EL 090770950

PARAMETER	RESULT	LEGISLATIVE LIMIT
DECN (ECN42 (HPLC) - ECN42 (theoretical)) Method: COI/T.20/Doc. No 20	0,04	max 0,2
Waxes (C <sub>42</sub> + C <sub>44</sub> + C <sub>46</sub> ) Method: COI/T.20/Doc. No 28	38 mg/kg	max 150

### STEROLS COMPOSITION

Method: Gas Chromatography (GC-FID), COI/T.20/Doc. No 26.

PARAMETER	RESULT (%) sterols. of total sterols	LEGISLATIVE LIMIT
Cholesterol	0,10	max 0,5
Brassicasterol	MA	max 0,1
24-methyl-cholesterol	0,30	
Campesterol	3,56	max 4,0
Campestanol	0,41	
Stigmasterol	0,79	<Campesterol
D7-Campesterol	MA	
D5,23-Stigmastadienol	MA	
Clerosterol	0,94	
B-Sitosterol	76,95	
Sitostanol	0,27	
D5-Avenasterol	15,26	
D5,24-Stigmastadienol	0,82	
D7-Stigmastenol	0,19	max 0,5
D7-Avenasterol	0,39	
Erythrodiol + Uvaol	3,57	max 4,5
Apparent B-Sitosterol	94,24	min 93,0
Total Sterols (mg/kg of oil/fat)	1142	min 1100

**EATPO MESSINI S.A.**  
SPECIALIZATION & TRADING OF OIL PRODUCTS  
21, MARATHONOS INDUSTRIAL AREA - N. EKARPIA  
THESSALONIKI, GREECE 55430  
TEL: +30 2310 682786 FAX: +30 2310 682134  
V.A.T.: EL 099770959