lluis jané busquets
laboratori d'anàlisi s.l.

V.A.T. Id. B61817615
tel - fax 937211325
ljb@ljblab.com
www.ljblab.com

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Recognized by the International Olive Council for physico-chemical testing

Lluís Jané Busquets Laboratori d'Analisi S.L.
c/ St Llorenç, 27 baixos 08192 Sant Quirze del Valles (Bcn)

OR DE L'ALBERA S.L.
C./ del Cementiri s/n Apdo. 26
17707 - Agullana
GIRONA

Report Nº: 71877

ANALYSIS CERTIFICATE

Sample Idenfication

Reception date:	28/12/2024	Initial date Analysis:	28/12/2024
Final date analysis:	04/01/2025	Issue report date:	04/01/2025
Sample Nº:	71877		
Sample description:	Oil contained in 500ml glass bottle		

Information provided by the client:

Sample:	EXTRA VIRGIN OLIVE OIL
Reference:	Argudell 2517

Determinations	Results	Procedure:	Method	Limit 1	Limit 2	Limit 3
Acidity	0,20 % Oleic Acid	COI T.20 DOC nº34 in force	Volumetry	<=0,80		
Peroxide Value	10,7 m.e.q. of O2 / kg oil	COI T.20 DOC nº35 in force	Volumetry	<=20,0		
Absorbency in ultra-violet						
K270	0,13	COI T.20 DOC nº19 in force	UV Spectrophotome	<=0,22		
K232	2,00	COI T.20 DOC nº19 in force	UV Spectrophotome	<=2,50		
Delta-k	0,00	COI T.20 DOC nº19 in force	UV Spectrophotome	<=0,01		
Fatty Acid Composition + Trans Isomers (Quantitative %)						
Myristic Acid	0,02 %	COI T.20 DOC nº33 in force	GC-FID	<=0,03		
Palmitic Acid	16,40 %	COI T.20 DOC nº33 in force	GC-FID	7,00-20,00		
Palmitoleic Acid	1,61 %	COI T.20 DOC nº33 in force	GC-FID	0,30-3,50		
Heptadecanoic Acid	0,16 %	COI T.20 DOC nº33 in force	GC-FID	<=0,40		
Heptadecenoic Acid	0,32 %	COI T.20 DOC nº33 in force	GC-FID	<=0,60		
Stearic Acid	2,33 %	COI T.20 DOC nº33 in force	GC-FID	0,50-5,00		
Oleic Acid	66,68 %	COI T.20 DOC nº33 in force	GC-FID	55,00-85,00		
Linoleic Acid	10,86 %	COI T.20 DOC nº33 in force	GC-FID	2,50-21,00		
Arachidic Acid	0,35 %	COI T.20 DOC nº33 in force	GC-FID	<=0,60		
Linolenic Acid	0,90 %	COI T.20 DOC nº33 in force	GC-FID	<=1,00		
Eicosenoic Acid	0,23 %	COI T.20 DOC nº33 in force	GC-FID	<=0,50		

Registered in Catalonia Agri-Food Laboratories Agriculture, Livestock, Fisheries and Food Department Register as an accredited laboratory in the oils and fats sector.
Registered in Catalonia Environmental Health, Food and Official Control Laboratories as an accredited laboratory with Nº918 / LE1868.

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laboratori d'anàlisi s.l.

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Determinations	Results	Procedure:	Method	Limit 1	Limit 2	Limit 3
Behenic Acid	0,09 %	COI T.20 DOC nº33 in force	GC-FID	<=0,20		
Lignoceric Acid	0,05 %	COI T.20 DOC nº33 in force	GC-FID	<=0,20		
Oleic Trans Isomers	0,02 %	COI T.20 DOC nº33 in force	GC-FID	<=0,05		
Linoleic and Linolenic Trans isomers	0,01 %	COI T.20 DOC nº33 in force	GC-FID	<=0,05		
Halogenated Solvents						
***Trichloroethylene**	<0,01 mg/kg	PNT-RT-10	GC-ECD		<=0,1	
***Bromodichloromethane**	<0,01 mg/kg	PNT-RT-10	GC-ECD		<=0,1	
***Dibromochloromethane**	0,01 mg/kg	PNT-RT-10	GC-ECD		<=0,1	
***Perchloroethylene**	<0,01 mg/kg	PNT-RT-10	GC-ECD		<=0,1	
***Tribromomethane**	<0,01 mg/kg	PNT-RT-10	GC-ECD		<=0,1	
***Total Halogenated Solvents**	<0,05 mg/kg	PNT-RT-10	GC-ECD		<=0,2	
Sterol Composition+Total Sterol+ E+U						
Cholesterol	0,1 %	COI T.20 DOC nº26 in force	GC-FID	<=0,5		
Brassicasterol	<0,1 %	COI T.20 DOC nº26 in force	GC-FID	<=0,1		
24-Methylenecholesterol	0,1 %	COI T.20 DOC nº26 in force	GC-FID			
Campesterol	3,2 %	COI T.20 DOC nº26 in force	GC-FID	<=4,0		
Campestanol	0,2 %	COI T.20 DOC nº26 in force	GC-FID			
Stigmasterol	1,8 %	COI T.20 DOC nº26 in force	GC-FID	<Campesterol		
Delta7-Campesterol	<0,1 %	COI T.20 DOC nº26 in force	GC-FID			
Beta-sitosterol (apparent)	93,8 %	COI T.20 DOC nº26 in force	GC-FID	>=93,0		
Delta-7-Stigmastenol	0,3 %	COI T.20 DOC nº26 in force	GC-FID	<=0,5		
Delta-7-Avenasterol	0,4 %	COI T.20 DOC nº26 in force	GC-FID			
Total Sterol	1.006 mg/kg	COI T.20 DOC nº26 in force	GC-FID	>=1.000		
Erythrodiol+Uvaol	3,9 %	COI T.20 DOC nº26 in force	GC-FID	<=4,5		
Difference:ECN42(HPLC)and ECN42(theoretical)	0,09 %	COI/T.20/Doc. nº20 in force	GC-FID & HPLC-RI	<=I0,20I		
Stigmasta-3,5-diene	<0,01 mg/kg	COI T.20 DOC nº11 in force P.A	GC-FID	<=0,05		
Wax Content (C42+C44+C46)	31 mg/kg	COI/T.20/DOC. nº28 in force	GC-FID	<=150		
Fatty acid ethyl esters (FAEEs)	26 mg/kg	COI/T.20/DOC. nº28 in force	GC-FID	<=35		

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Determinations	Results	Procedure:	Method	Limit 1	Limit 2	Limit 3

CONCLUSIONS

* The analytical determinations done, comply with the current Legislation as an extra virgin olive oil.

LEGISLATION

Limit 1: Delegated Regulation (EU) 2022/2104 of the commission of July 29, 2022, which completes Regulation (EU) No. 1308/2013 of the European Parliament and the Council, with regard to marketing standards of olive oil, and which repeals Regulation (EEC) no. 2568/91 of the Commission and Implementing Regulation (EU) No. 29/2012 of the commission.

Limit 2: Commercial Standard of the International Olive Oil Council applicable to Olive Oils and Olive Pomace Oils COI/T.15/NC nº3 in force.

On behalf of the Technical Manager,
Eduard Jané

lluis jané busquets
laboratori d'anàlisi s.l.

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Sample description:	Oil contained in 500ml glass bottle		

Information provided by the client:

Sample:	EXTRA VIRGIN OLIVE OIL
Reference:	Argudell 2517

Determinations	Results	Procedure:	Method
NUTRITION FACTS 100 g			
***Energy**	3.700 KJ	PNT-RT-100	Calculation
***Energy**	900 Kcal	PNT-RT-100	Calculation
***Protein**	0,0 g	PNT-RT-101	Calculation
***Total Carbohydrate (sugars)**	0,0 g	PNT-RT-102	Calculation
***Salt**	0,00 g	PNT-RT-103	ICP-Calculation
Fat			
Total Fat	100,0 g	PNT-RT-04	
Saturated fatty acids	19,4 g	PNT-RT-04	CG-FID Calculation
Monounsaturated fatty acids	68,8 g	PNT-RT-04	CG-FID Calculation
Polyunsaturated fatty acids	11,8 g	PNT-RT-04	CG-FID Calculation
NUTRITION FACTS 100 ml			
***Energy**	3.386 KJ	PNT-RT-100	Calculation
***Energy**	824 Kcal	PNT-RT-100	Calculation
***Protein**	0,0 g	PNT-RT-101	Calculation
***Total Carbohydrate (sugars)**	0,0 g	PNT-RT-102	Calculation
***Salt**	0,00 g	PNT-RT-103	ICP-Calculation

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Determinations	Results	Procedure:	Method
Fat			
Total Fat	91,5 g	PNT-RT-04	
Saturated fatty acids	17,8 g	PNT-RT-04	CG-FID Calculation
Monounsaturated fatty acids	62,9 g	PNT-RT-04	CG-FID Calculation
Polyunsaturated fatty acids	10,8 g	PNT-RT-04	CG-FID Calculation

LEGISLATION

Regulation (EU) Nº 1169/2011.

On behalf of the Technical Manager,
Eduard Jané