

Lluís Jané Busquets Laboratori d'Anàlisi 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: 71879

ANALYSIS CERTIFICATE

Sample Identification

Reception date:	28/12/2024	Initial date Analysis:	28/12/2024
Final date analysis:	03/01/2025	Issue report date:	04/01/2025
Sample Nº:	71879		
Sample description:	Oil contained in 500ml glass bottle		

Information provided by the client:

Sample:	EXTRA VIRGIN OLIVE OIL
Reference:	Picual 2519

Determinations	Results	Procedure:	Method	Limit 1	Limit 2	Limit 3
Acidity	0,23 % Oleic Acid	COI T.20 DOC nº34 in force	Volumetry	<=0,80		
Peroxide Value	10,0 m.e.q. of O2 / kg oil	COI T.20 DOC nº35 in force	Volumetry	<=20,0		

Absorbency in ultra-violet

K270	0,14	COI T.20 DOC nº19 in force	UV Spectrophotome	<=0,22		
K232	1,83	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	0,01 %	COI T.20 DOC nº33 in force	GC-FID	<=0,03		
Palmitic Acid	13,65 %	COI T.20 DOC nº33 in force	GC-FID	7,00-20,00		
Palmitoleic Acid	1,32 %	COI T.20 DOC nº33 in force	GC-FID	0,30-3,50		
Heptadecanoic Acid	0,08 %	COI T.20 DOC nº33 in force	GC-FID	<=0,40		
Heptadecenoic Acid	0,15 %	COI T.20 DOC nº33 in force	GC-FID	<=0,60		
Stearic Acid	2,78 %	COI T.20 DOC nº33 in force	GC-FID	0,50-5,00		
Oleic Acid	74,27 %	COI T.20 DOC nº33 in force	GC-FID	55,00-85,00		
Linoleic Acid	6,24 %	COI T.20 DOC nº33 in force	GC-FID	2,50-21,00		
Arachidic Acid	0,38 %	COI T.20 DOC nº33 in force	GC-FID	<=0,60		
Linolenic Acid	0,74 %	COI T.20 DOC nº33 in force	GC-FID	<=1,00		
Eicosenoic Acid	0,24 %	COI T.20 DOC nº33 in force	GC-FID	<=0,50		

Report Nº: 71879

ANALYSIS CERTIFICATE

Determinations	Results	Procedure:	Method	Limit 1	Limit 2	Limit 3
Behenic Acid	0,10 %	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-Methylencholesterol	0,2 %	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	1,9 %	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)	93,5 %	COI T.20 DOC nº26 in force	GC-FID	>=93,0		
Delta-7-Stigmastenol	0,4 %	COI T.20 DOC nº26 in force	GC-FID	<=0,5		
Delta-7-Avenasterol	0,5 %	COI T.20 DOC nº26 in force	GC-FID			
Total Sterol	1.106 mg/kg	COI T.20 DOC nº26 in force	GC-FID	>=1.000		
Erythrodiol+Uvaol	3,0 %	COI T.20 DOC nº26 in force	GC-FID	<=4,5		

Difference:ECN42(HPLC)and ECN42(theoretical)	0,03 %	COI/T.20/Doc. nº20 in force	GC-FID & HPLC-RI	<=10,201		
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)	65±9 mg/kg	COI/T.20/DOC. nº28 in force	GC-FID	<=35		

Report Nº: 71879

ANALYSIS CERTIFICATE

Determinations	Results	Procedure:	Method	Limit 1	Limit 2	Limit 3
----------------	---------	------------	--------	---------	---------	---------

CONCLUSIONS

* The analytical determinations carried out do not comply with current legislation as an extra virgin olive oil. The result of ethyl esters is higher than the legislated limit.

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 n°3 in force.

On behalf of the Technical Manager,
Eduard Jané



Lluís Jané Busquets Laboratori d'Anàlisi 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: 71880

ANALYSIS CERTIFICATE

Sample Identification

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:	71879		
Sample description:	Oil contained in 500ml glass bottle		

Information provided by the client:

Sample:	EXTRA VIRGIN OLIVE OIL
Reference:	Picual 2519

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	17,1 g	PNT-RT-04	CG-FID Calculation
Monounsaturated fatty acids	75,9 g	PNT-RT-04	CG-FID Calculation
Polyunsaturated fatty acids	7,0 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

Report Nº: 71880

ANALYSIS CERTIFICATE

Determinations	Results	Procedure:	Method
Fat			
Total Fat	91,5 g	PNT-RT-04	
Saturated fatty acids	15,6 g	PNT-RT-04	CG-FID Calculation
Monounsaturated fatty acids	69,5 g	PNT-RT-04	CG-FID Calculation
Polyunsaturated fatty acids	6,4 g	PNT-RT-04	CG-FID Calculation

LEGISLATION

Regulation (EU) Nº 1169/2011.

On behalf of the Technical Manager,
Eduard Jané

