



V.A.T. Id. B61817615

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lluis jané busquets laboratori d'anàlisi s.l.





The analytical determinations and activities marked with a (*) are not included in the Enac accreditation scope.

Recognized by the International Olive Council for physico-chemical testing (01/12/23-30/11/24)

Lluís Jané Busquets Laboratori d'Analisi S.L.

04/11/2024

12/11/2024

c/ St Llorenç, 27 baixos 08192 Sant Quirze del Valles (Bcn)

PRIORAT NATUR S.L.

Pg Sort dels Capellans, 17 43730 - FALSET TARRAGONA

Report Nº: 60009

ANALYSIS CERTIFICATE

Initial date Analysis:

Issue report date:

Sample Idenfication

Reception date:

04/11/2024

12/11/2024

Final date analysis: Sample N°:

60009

Sample description:

Information provided by the client:

Sample: EXTRA VIRGIN OLIVE OIL

Reference: AOVE 100% ARBEQUINA LOTE: NA06-1124

Determinations	Results	Procedure:	Method	Limit
Acidity	0,12 % Olec Acid	REEC 2568/91 A-II in force	Volumetry	<=0,80
Peroxide Value	4,8 m.e.q. of O2 / kg oil	REEC 2568/91 A-III in force	Volumetry	<=20,0

Absorbency in ultra-violet

K270	0,19	REEC 2568/91 A-IX in force	UV Spectrophotometry	<=0,22	
K232	1,74	REEC 2568/91 A-IX in force	UV Spectrophotometry	<=2,50	
Delta-k	<0,01	REEC 2568/91	UV Spectrophotometry	<=0,01	

Fatty Acid Composition + Trans Isomers (Quantitative %)

Myristic Acid	0,01 %	REEC 2568/91 A-X in force	GC-FID	<=0,03
Palmitic Acid	15,70 %	REEC 2568/91 A-X in force	GC-FID	7,50-20,00
Palmitoleic Acid	2,03 %	REEC 2568/91 A-X in force	GC-FID	0,30-3,50
Heptadecanoic Acid	0,09 %	REEC 2568/91 A-X in force	GC-FID	<=0,40
Heptadecenoic Acid	0,22 %	REEC 2568/91 A-X in force	GC-FID	<=0,60
Stearic Acid	1,70 %	REEC 2568/91 A-X in force	GC-FID	0,50-5,00
Oleic Acid	65,68 %	REEC 2568/91 A-X in force	GC-FID	55,00-83,00
Linoleic Acid	13,19 %	REEC 2568/91 A-X in force	GC-FID	2,50-21,00
Arachidic Acid	0,37 %	REEC 2568/91 A-X in force	GC-FID	<=0,60
Linolenic Acid	0,56 %	REEC 2568/91 A-X in force	GC-FID	<=1,00
Eicosenoic Acid	0,27 %	REEC 2568/91 A-X 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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Determinations	Results	Procedure:	Method	Limit
Behenic Acid	0,12 %	REEC 2568/91 A-X in force	GC-FID	<=0,20
Lignoceric Acid	0,05 %	REEC 2568/91 A-X in force	GC-FID	<=0,20
Oleic Trans Isomers	0,01 %	REEC 2568/91 A-X in force	GC-FID	<=0,05
Linoleic and Linolenic Trans isomers	<0,01 %	REEC 2568/91 A-X in force	GC-FID	<=0,05
lalogenated 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 %	REEC 2568/91 A-XIX in force	GC-FID	<=0,5
Brassicasterol	<0,1 %	REEC 2568/91 A-XIX in force	GC-FID	<=0,1
24-Methylenecholesterol	0,3 %	REEC 2568/91 A-XIX in force	GC-FID	
Campesterol	3,8 %	REEC 2568/91 A-XIX in force	GC-FID	<=4,0
Campestanol	0,1 %	REEC 2568/91 A-XIX in force	GC-FID	
Stigmasterol	0,9 %	REEC 2568/91 A-XIX in force	GC-FID	<campestero< td=""></campestero<>
Delta7-Campesterol	<0,1 %	REEC 2568/91 A-XIX in force	GC-FID	
Beta-sitosterol (apparent)	94,2 %	REEC 2568/91 A-XIX in force	GC-FID	>=93,0
Delta-7-Stigmastenol	0,2 %	REEC 2568/91 A-XIX in force	GC-FID	<=0,5
Delta-7-Avenasterol	0,4 %	REEC 2568/91 A-XIX in force	GC-FID	50 % Ozničeo
Total Sterol	1.754 mg/kg	REEC 2568/91 A-XIX in force	GC-FID	>=1.000
Erythrodiol+Uvaol	1,5 %	REEC 2568/91 A-XIX in force	GC-FID	<=4,5
Difference:ECN42(HPLC)and ECN42(theoretical)	0,08 %	REEC 2568/91 A-XVIII in force	GC-FID & HPLC-RI	<=10,201
Stigmasta-3,5-diene	<0,01 mg/kg	REEC 2568/91 A-XVII in force	GC-FID	<=0,05

Difference:ECN42(HPLC)and ECN42(theoretical	0,08 %	REEC 2568/91 A-XVIII in force	GC-FID & HPLC-RI	<=10,201
Stigmasta-3,5-diene	<0,01 mg/kg	REEC 2568/91 A-XVII in force	GC-FID	<=0,05
Wax Content (C42+C44+C46)	49 mg/kg	COI/T.20/DOC. n°31 in force	GC-FID	<=150
Fatty acid ethyl esters (FAEEs)	10 mg/kg	COI/T.20/DOC. nº31 in force	GC-FID	<=35
2-Glyceryl monopalmitate	0,6 %	RCEE 2568/91 A-VII vigente	GC-FID	<=1,0

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ANALYSIS CERTIFICATE

Determinations Results Procedure: Method Limit

CONCLUSIONS

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

LEGISLATION

Regulation (EEC) Nº 2568/91 and amendments in force.

Technical Manager, Anna Jané.

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