



LABORATORIO DE ENSAYO FÍSICO-QUÍMICOS  
RECONOCIDO POR EL COI PARA EL PERÍODO  
1 de DICIEMBRE de 2019 al 30 de NOVIEMBRE de 2020



Tests marked (\*) are not included in scope of Accreditation of ENAC.

Activities marked (#) are not included in scope of Accreditation of ENAC.

**COSTUMER:**

**ALMAZARA DE ORTEGAS S.L.**

**CTRA.DEL ARDAL, KM 5**

**30510 YECLA  
MURCIA**

### CERTIFICATE OF ANALYSIS

**Certificate of Analysis (1):** 91223103615 / M1/I

**Laboratory reference:** 1/6.069

**Date of receipt:** 12/12/2019

**Final date of Analysis:** 14/12/2019

**Issue date:** 23/12/2019

**Sample for Testing:** Olive Oils

### DATA PROVIDED BY CLIENT (2)

**Sample reference:** ACEITE DE OLIVA VIRGEN EXTRA ECOLÓGICO. HOJIBLANCA. LOTE: H-195

**Packing:** BOTE VIDRIO OPACO 500 ml TAPÓN PRECINTO NEGRO **Quantity:** 500 ml

### ANALYSIS RESULTS

<u>DETERMINATION</u>	<u>RESULT</u>	<u>UNIT</u>	<u>LÍMIT</u>	<u>PROCEDURE</u>
<b>Acidity</b>				
Acidity	0.15	% (ac.oleic.)	≤ 0.8 (Nota 1)	PNT 1.08
<b>Peroxide index</b>				
Peroxide index	3.7	meq O2/kg	≤ 20 (Nota 1)	PNT 1.09
<b>Spectrophotometric analysis</b>				
K 270	0.12	-	≤ 0.22 (Nota 1)	PNT 1.10
K 232	1.40	-	≤ 2.50 (Nota 1)	PNT 1.10
ΔK	<0.005	-	≤ 0.01 (Nota 1)	PNT 1.10
<b>Moisture</b>				
Moisture and volatile matter	0.13	%	≤ 0.2 (Nota 2)	PNT 1.11
<b>Insoluble impurities</b>				
Impurities (Petroleum ether)	<0.05	%	≤ 0.10 (Nota 2)	PNT 1.12
<b>Fatty acid Content</b>				
Lauric (C12:0)	<0.02	%	No aplica	PNT 1.14
Myristic (C14:0)	<0.01	%	≤ 0.03 (Nota 1)	PNT 1.14
Palmitic (C16:0)	11.02	%	7.50 -20.00 (Nota 1)	PNT 1.14
Palmitoleic (C16:1)	0.73	%	0.30 -3.50 (Nota 1)	PNT 1.14
Margaric (C17:0)	0.13	%	≤ 0.40 (Nota 1)	PNT 1.14
Margaroleic (C17:1)	0.21	%	≤ 0.60 (Nota 1)	PNT 1.14
Stearic (C18:0)	2.53	%	0.50 -5.00 (Nota 1)	PNT 1.14

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Laboratory Authorized by the Ministry of Agriculture and Fisheries No. A-052-AU.

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Oleic (C18:1)	77.78	%	55.00 -83.00 (Nota 1)	PNT 1.14
Linoleic (C18:2)	5.92	%	2.50 -21.00 (Nota 1)	PNT 1.14
Linolenic (C18:3)	0.82	%	≤ 1.00 (Nota 1)	PNT 1.14
Arachidic (C20:0)	0.38	%	≤ 0.60 (Nota 1)	PNT 1.14
Eicosenoic (C20:1)	0.30	%	≤ 0.50 (Nota 1)	PNT 1.14
Behenic (C22:0)	0.11	%	≤ 0.20 (Nota 1)	PNT 1.14
Erucic (C22:1)	<-0.10	%	No aplica	PNT 1.14
Lignoceric (C24:0)	0.06	%	≤ 0.20 (Nota 1)	PNT 1.14
<b>Sum of trans Isomers</b>				
Tr Oleic (C18:1T)	<-0.03	%	≤ 0.05 (Nota 1)	PNT 1.14
Tr L (C18:2T) + Tr Ln (C18:3T)	<-0.03	%	≤ 0.05 (Nota 1)	PNT 1.14
<b>*Total Polyphenols</b>				
* Poliphenols	233	mg Ac.cafeico/Kg		PNT 1.56 (Folin -Ciocalteu)

**NOTES:**

# Results that are expressed as a sum have been calculated prior to the rounding of decimals of each of the individually reported results.

# LC: limit of quantification. PNT: Normalized Work Procedure.

# The calculated uncertainty (U), in physicochemical parameters, is for a confidence level of 95% (k = 2), expressed in absolute value.

# The values of indicated limits are for the category: Extra Virgin Olive Oil

# **Comments:**

# Note 1: Limits specified in the EC Regulation 2568/91 and subsequent amendments.

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Vº Bº Jefe de Laboratorio



Fdo: Mª Luisa Cuenca de los Cobos

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