



LABORATORY OF PHYSICAL-CHEMICAL TEST
RECOGNIZED BY THE IOC FOR THE PERIOD
December 1, 2023 to November 30, 2024



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

COSTUMER:

OLEA TRADING

RUE TÉTOUAN

10020 RABAT

RABAT

CERTIFICATE OF ANALYSIS

Certificate of Analysis (1): 40222164542 / M5/I

Laboratory reference: 1/12.402

Date of receipt: 22/01/2024

Final date of Analysis: 20/02/2024

Issue date: 22/02/2024

Sample for Testing: Olive Oils

Packing: BOTE PET OPACO 500 ml TAPÓN PRECINTO VERDE

Quantity: 500 ml

DATA PROVIDED BY CLIENT (2)

#Sample reference: LOT N°: PRESTIGE. 50000 Kg

ANALYSIS RESULTS

Determination	Result	Unit	Limits	Procedure
Acidity				
Acidity	0.15	% (ac.oleic.)	≤ 0.8 (Nota 1)	PNT 1.08
Peroxide index				
Peroxide index	6.9	meq O2/kg	≤ 20 (Nota 1)	PNT 1.09
Spectrophotometric analysis				
K 270	0.15	-	≤ 0.22 (Nota 1)	PNT 1.10
K 232	2.05	-	≤ 2.50 (Nota 1)	PNT 1.10
ΔK	-0.006	-	≤ 0.01 (Nota 1)	PNT 1.10
Moisture				
Moisture and volatile matter	0.05	%	≤ 0.2 (Nota 2)	PNT 1.11
Insoluble impurities				
Impurities (Petroleum ether)	<0.05	%	≤ 0.10 (Nota 2)	PNT 1.12
Ethyl Ester				
Ethyl ester	<10	mg/kg	Max 35 (Nota 1)	PNT 1.20
Content of waxes				
C40 + C42 + C44 + C46	78	mg/kg	No aplica (Nota 1)	PNT 1.20
C42 + C44 + C46	31	mg/kg	≤ 150 (Nota 1)	PNT 1.20
Total sterols and composition				
Total sterols	2108	mg/kg	≥ 1000 (Nota 1)	PNT 1.29
Cholesterol	<0.1	%	≤ 0.5 (Nota 1)	PNT 1.29
Brassicasterol	<0.1	%	≤ 0.1 (Nota 1)	PNT 1.29
Campesterol	3.5	%	≤ 4.0 (Nota 1)	PNT 1.29
Stigmasterol	1.2	%	< Camp (Nota 1)	PNT 1.29
β-sitosterol (apparent)	94.4	%	≥ 93.0 (Nota 1)	PNT 1.29

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

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Issue date: 22/02/2024

Sample for Testing: Olive Oils

ANALYSIS RESULTS

Determination	Result	Unit	Limits	Procedure
Δ -7-Stigmastenol	0.2	%	≤ 0.5 (Nota 1)	PNT 1.29
Erythrodiol and Uvaol				
Erythrodiol and uvaol	1.7	%	≤ 4.5 (Nota 1)	PNT 1.29
Fatty acid Content				
Lauric (C12:0)	<0.02	%	No aplica	PNT 1.14
Myristic (C14:0)	0.03	%	≤ 0.03 (Nota 1)	PNT 1.14
Palmitic (C16:0)	14.45	%	7.00 -20.00 (Nota 1)	PNT 1.14
Palmitoleic (C16:1)	1.22	%	0.30 -3.50 (Nota 1)	PNT 1.14
Margaric (C17:0)	0.14	%	≤ 0.40 (Nota 1)	PNT 1.14
Margaroleic (C17:1)	0.24	%	≤ 0.60 (Nota 1)	PNT 1.14
Stearic (C18:0)	2.39	%	0.50 -5.00 (Nota 1)	PNT 1.14
Oleic (C18:1)	68.27	%	55.00 -85.00 (Nota 1)	PNT 1.14
Linoleic (C18:2)	11.40	%	2.50 -21.00 (Nota 1)	PNT 1.14
Linolenic (C18:3)	0.96	%	≤ 1.00 (Nota 1)	PNT 1.14
Arachidic (C20:0)	0.41	%	≤ 0.60 (Nota 1)	PNT 1.14
Eicosenoic (C20:1)	0.29	%	≤ 0.50 (Nota 1)	PNT 1.14
Behenic (C22:0)	0.13	%	≤ 0.20 (Nota 1)	PNT 1.14
Erucic (C22:1)	<0.10	%	No aplica	PNT 1.14
Lignoceric (C24:0)	0.07	%	≤ 0.20 (Nota 1)	PNT 1.14
Sum of trans Isomers				
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
Dif ECN42 (HPLC) and ECN42 theoretical				
Difference ECN42	0.10		≤ 0.2 (Nota 1)	PNT 1.19
2-glyceril Monopalmitate				
2-glyceril monopalmitate	0.8	%	Ver Nota A (Nota 1)	PNT 1.58
*Total Polyphenols				
* Polyphenols (Cafeic)	397	mg Ac.cafeico/kg		PNT 1.56 (Folin -Ciocalteu)
*Hydrocarbons from mineral oil. Note k)				
* MOSH/POSH C10-C16	<0.5	mg/kg		HPLC-GC-FID
* MOSH/POSH C16-C20	<0.5	mg/kg		HPLC-GC-FID

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Date of receipt: 22/01/2024

Final date of Analysis: 20/02/2024

Issue date: 22/02/2024

Sample for Testing: Olive Oils

ANALYSIS RESULTS

Vº Bº Jefe de Laboratorio



Fdo: Mª Luisa Cuenca de los Cobos

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CERTIFICATE OF ANALYSIS

Certificate of Analysis (1): **40308124615 / M3/I**

Laboratory reference: **1/12.402**

Date of receipt: **22/01/2024**

Final date of Analysis: **08/03/2024**

Issue date: **08/03/2024**

Sample for Testing: **Olive Oils**

Packing: **BOTE PET OPACO 500 ml TAPÓN PRECINTO VERDE**

Quantity: **500 ml**

DATA PROVIDED BY CLIENT (2)

#Sample reference: **LOT Nº: PRESTIGE. 50000 Kg**

ANALYSIS RESULTS

DETERMINATION	RESULT	PROCEDURE
Organoleptic assessment		
Median of fruity	7.4	COI/T.20/Doc nº 15
Median of defect	0.0	COI/T.20/Doc nº 15
Organoleptic Classification	VIRGEN EXTRA	COI/T.20/Doc nº 15

Vº Bº Jefe de Panel



Ana M.ª Camacho
Jefe de Panel



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