

CERTIFICATE OF ANALYSIS

COSTUMER:

CASTILLO DE CANENA OLIVE JUICE, S.L.

C/ REMEDIOS, 4

**23420 CANENA
JAÉN**

Certificate of Analysis (1): 51202172604 / M5/I

Laboratory reference: 1/4.321

Date of receipt: 06/11/2025

Final date of Analysis: 02/12/2025

Issue date: 02/12/2025

Sample for Testing: Olive Oils

Packing: 3 BOTELLAS VIDRIO OPACO 500 ml TAPÓN PRECINTO BLANCC Quantity: 1.5 L

DATA PROVIDED BY CLIENT (2)

#Sample reference: DEPÓSITO 1.10 BIO ARBEQUINO

ANALYSIS RESULTS

Determination	Result	Unit	Limits	Procedure
Acidity				
Acidity	0.10	% (ac.oleic.)	≤ 0.8 (Nota 1)	PNT 1.08
Acidity Value				
Acidity Value	0.20	mg KOH/g	Max 1.6 (Nota 3)	PNT 1.08
Peroxide index				
Peroxide index	3.1	meq O2/kg	≤ 20 (Nota 1)	PNT 1.09
Peroxide index (mmol/kg)				
Peroxide index (mmol/kg)	1.6	mmol/kg	Max 10 (Nota 2)	PNT 1.09
Spectrophotometric analysis				
K 270	0.10	-	≤ 0.22 (Nota 1)	PNT 1.10
K 232	1.52	-	≤ 2.50 (Nota 1)	PNT 1.10
ΔK	<0.01	-	≤ 0.01 (Nota 1)	PNT 1.10
Moisture				
Moisture and volatile matter	0.07	%	≤ 0.2 (Nota 2)	PNT 1.11
Diquat-Paraquat .				
* Diquat	<0.01	mg/kg		UPLC-MS/MS
* Paraquat	<0.01	mg/kg		UPLC-MS/MS
Insoluble impurities				
Impurities (Petroleum ether)	<0.05	%	≤ 0.10 (Nota 2)	PNT 1.12
*Solvents				
* Solvent residue sum	<1	mg/kg		HS-GC-MS/MS
* Acetone	<1	mg/kg		HS-GC-MS/MS
* 2-Propanol	<1	mg/kg		HS-GC-MS/MS
* Methyl acetate	<1	mg/kg		HS-GC-MS/MS
* Hexane	<1	mg/kg		HS-GC-MS/MS



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* 1-Propanol	<1	mg/kg		HS-GC-MS/MS
* Ethyl acetate	<1	mg/kg		HS-GC-MS/MS
* Methyl ethyl ketona	<1	mg/kg		HS-GC-MS/MS
* 2-Butanol	<1	mg/kg		HS-GC-MS/MS
* Tetrahydrofurane (THF)	<1	mg/kg		HS-GC-MS/MS
* Isobutanol	<1	mg/kg		HS-GC-MS/MS
* Cyclohexane	<1	mg/kg		HS-GC-MS/MS
* Isopropyl acetate	<1	mg/kg		HS-GC-MS/MS
* n-Butanol	<1	mg/kg		HS-GC-MS/MS
* n-Propyl acetate	<1	mg/kg		HS-GC-MS/MS
* Methyl isobutyl ketone	<1	mg/kg		HS-GC-MS/MS
* Isobutyl acetate	<1	mg/kg		HS-GC-MS/MS
* Toluene	<1	mg/kg		HS-GC-MS/MS
* n-Butyl acetate	<1	mg/kg		HS-GC-MS/MS
* Cyclohexane	<1	mg/kg		HS-GC-MS/MS
Relative amounts of 1,2- and 1,3-diacylglycerols				
1,2-diacylglycerols	94.6	%		PNT 1.79
1,3-diacylglycerols	5.4	%		PNT 1.79
Determination of Pyropheophytin A				
Pyropheophytin A	<0.5	%		PNT 1.77
Iodine index				
Iodine Index (Met. Wijs)	82	g iodo / 100 g	75 - 94 (Nota 2)	PNT 1.72
Saponification value				
Saponification value	191	mg KOH/g aceite	184- 196 (Nota 2)	PNT 1.73
Refraction Index				
Refraction Index (line D at 20°C)	1.4686	-	1.4677 - 1.4705 (Nota 2)	PNT 1.71
Ethyl Ester				
Ethyl ester	<10	mg/kg	Max 35 (Nota 1)	PNT 1.20
Content of waxes				
C40 + C42 + C44 + C46	159	mg/kg	No aplica (Nota 1)	PNT 1.20
C42 + C44 + C46	46	mg/kg	≤ 150 (Nota 1)	PNT 1.20



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Total sterols and composition				
Total sterols	1327	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	4.2	%	≤ 4.0 (Nota 1)	PNT 1.29
Stigmasterol	1.0	%	< Camp (Nota 1)	PNT 1.29
β-sitosterol (apparent)	93.6	%	≥ 93.0 (Nota 1)	PNT 1.29
Δ-7-Stigmastenol	0.3	%	≤ 0.5 (Nota 1)	PNT 1.29
Erythrodiol and Uvaol				
Erythrodiol and uvaol	2.3	%	≤ 4.5 (Nota 1)	PNT 1.29
Stigmastadienes				
Stigmastadiene	<0.02	mg/kg	≤ 0.05 (Nota 1)	PNT 1.16
Fatty acid Content				
Lauric (C12:0)	<0.02	%	No aplica	PNT 1.14
Myristic (C14:0)	0.02	%	≤ 0.03 (Nota 1)	PNT 1.14
Palmitic (C16:0)	17.79	%	7.00 -20.00 (Nota 1)	PNT 1.14
Palmitoleic (C16:1)	1.98	%	0.30 -3.50 (Nota 1)	PNT 1.14
Margaric (C17:0)	0.14	%	≤ 0.40 (Nota 1)	PNT 1.14
Margaroleic (C17:1)	0.29	%	≤ 0.60 (Nota 1)	PNT 1.14
Stearic (C18:0)	1.92	%	0.50 -5.00 (Nota 1)	PNT 1.14
Oleic (C18:1)	62.61	%	55.00 -85.00 (Nota 1)	PNT 1.14
Linoleic (C18:2)	13.78	%	2.50 -21.00 (Nota 1)	PNT 1.14
Linolenic (C18:3)	0.66	%	≤ 1.00 (Nota 1)	PNT 1.14
Arachidic (C20:0)	0.40	%	≤ 0.60 (Nota 1)	PNT 1.14
Eicosenoic (C20:1)	0.25	%	≤ 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
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



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Dif ECN42 (HPLC) and ECN42 theoretical				
Difference ECN42	<0.05		≤ 0.2 (Nota 1)	PNT 1.19
2-glyceril Monopalmitate				
2-glyceril monopalmitate	0.9	%	Ver Nota A (Nota 1)	PNT 1.58
*Unsaponifiable fraction				
* Unsaponifiable matter	8.46	g/kg	Max 15 (Nota 2)	PNT 1.67 (Según ISO 3596)
Tocopherols/Tocotrienols				
Totals tocopherols	284	mg/kg		PNT 1.18
Alpha-Tocopherol	282	mg/kg		PNT 1.18
Beta-Tocopherol	2	mg/kg		PNT 1.18
Gamma-Tocopherol	<1	mg/kg		PNT 1.18
Delta-Tocopherol	<1	mg/kg		PNT 1.18
*Biophenols by HPLC				
* Biophenols by HPLC	198.3	mg/kg (tirosol)		COI/T.20/Doc.29
* Tyrosol	<1.0	mg/kg		COI/T.20/Doc.29
* Hydroxytyrosol	<1.0	mg/kg (tirosol)		COI/T.20/Doc.29
* Oleacein	59.7	mg/kg (tirosol)		COI/T.20/Doc.29
* Oleocanthal	38.7	mg/kg (tirosol)		COI/T.20/Doc.29
Vitamin E				
Vitamin E in 100 g	28.30	mg		PNT 1.18
Vitamin E in 14 g	3.96	mg		PNT 1.18
Vitamin E in 20 g	5.66	mg		PNT 1.18
Listeria monocytogenes Detection - Note f				
Listeria monocytogenes Detection	No detectado	UFC en 25 g		ENRIQUECIMIENTO Y SIEMB
*Dioxins and dioxin-like PCBs.Nota c)				
* Dioxin Sum (PCDD / F-OMS TEQ)	0.103 ± 0.043	pg/g	Max 0.75 (Nota 4)	Ver Nota c)
* Sum.Diox.and similar PCBs (EQT PCDD/F-)	0.130 ± 0.047	pg/g	Max 1.25 (Nota 4)	Ver Nota c)
*Cupric chlorophyllins				
* Cupric chlorophyllins	<0.05	mg/Kg		AAOCS Cc 13i-96
Inherent plant toxins				
Erucid acid	<2.0	g/kg	≤ 20.0 (Nota 4)	PNT 1.14



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Determination	Result	Unit	Limits	Procedure
*Melamine				
* Melamine	<0.01	mg/kg	Máx 2.5 (Nota 4)	UPLC-MS/MS
* Ciromazine	<0.01	mg/kg		UPLC-MS/MS
*Aliphatic hydrocarbons				
* Mineral aliphatic hydrocarbons	<20	mg/kg		PNT 1.28
Metals.Note f)				
Iron	<1.0	mg/kg	Max 3 (Nota 2)	ICP/MS (Ver Nota f)
Copper	<0.10	mg/kg	Max 0.1 (Nota 2)	ICP/MS (Ver Nota f)
Lead	<0.020	mg/kg	Max 0.10 (Nota 4)	ICP/MS (Ver Nota f)
Total Arsenic	<0.020	mg/kg	Max 0.1 (Nota 2)	ICP/MS (Ver Nota f)
*Aflatoxin				
* Aflatoxin B1	<0.5	ug/kg		HPLC-MS
* Aflatoxin B2	<0.5	ug/kg		HPLC-MS
* Aflatoxin G1	<0.5	ug/kg		HPLC-MS
* Aflatoxin G2	<0.5	ug/kg		HPLC-MS
* Total Aflatoxins	<0.5	ug/kg		HPLC-MS
*Microbiological analysis				
* Aerobic bacteria at 22°C	<1.0 x 10	UFC		
* Aerobic bacteria at 37°C	<1.0 x 10	UFC		
* Molds and yeasts	<1.0 x 10	UFC/g		Rto. en placa
* Molds	<1.0 x 10	UFC/g		Rto. en placa
* Yeasts	<1.0 x 10	UFC/g		Rto. en placa
* E. coli B-glucuronidase positive	<1.0 x 10	UFC/g		ISO 16649-2:2001 S.en profundidad
* Salmonella spp	No detectado	en 25 g		IBISA cromoagar
* Aerobic mesophilic at 30 °C	<1.0 x 10	UFC/g		Rto. en placa
*Nutritional analysis				
* Moisture	<0.100	g/100g		Gravimetría
* Energy (Kcal/100 g)	900	Kcal/100 g		Cálculo
* Energy (KJ/100 g)	3700	KJ/100 g		Cálculo
* Fat total	100	g/100g		Hidrólisis y Soxhlet
* Saturated fatty acids	20.4	g/100 g		CG



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Determination	Result	Unit	Limits	Procedure
* Monounsaturated fatty acids	65.1	g/100 g		CG
* Polyunsaturated fatty acids	14.4	g/100 g		CG
* Carbohydrates	<0.100	g/100 g		Cálculo
* Total sugars	<0.100	g/100 g		Volumetría
* Protein	<0.4	g/100 g		Volumetría
* Salt (NaCl)	<0.0125	g/100 g		ICP-MS
* Sodium	<4.00	mg/100g		ICP-MS
* Omega-3	0.66	g/100g		CG
* Omega-6	13.78	g/100g		CG
* Trans fatty acids	<0.06	g/100g		CG
Polycyclic aromatic hydrocarbons				
Benzo(a)anthracene	<0.5	ug/kg		PNT 1.23
Chrysene	<0.5	ug/kg		PNT 1.23
Benzo(b)fluoranthene	<0.5	ug/kg		PNT 1.23
Benzo(a)pyrene	<0.5	ug/kg	Máx 2.0 (Nota 4)	PNT 1.23
PAH4 (sum B(a)A+Cr+B(b)F+B(a)P)	<2.0	ug/kg	Máx 10.0 (Nota 4)	PNT 1.23

Maximum Residue Limits are indicated for unprocessed raw materials (EU Regulation 396/2005 and subsequent amendments). See Note MR.

Multiresidue (GC-MS/MS)

Procedure: PNT 1.13

Unit: mg/kg

Determination	Result	Determination	Result	Determination	Result
* 2,4-Methoxychlor	<0.010	2-Phenylphenol(OPP)	<0.010	Acetochlor	<0.010
Acrinathrin	<0.010	Alachlor	<0.010	* Aldrin	<0.010
* Ametryn	<0.010	Anthraquinone	<0.010	Atrazine	<0.010



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Multiresidue (GC-MS/MS)

Procedure: PNT 1.13

Unit: mg/kg

Determination	Result	Determination	Result	Determination	Result
* Azinphos-ethyl	<0.010	* Azinphos-methyl	<0.010	Azoxystrobin	<0.010
Benalaxyl	<0.010	* Bendiocarb	<0.010	Benfluralin	<0.010
* Bifenox	<0.010	Bifenthrin	<0.010	* Biphenyl	<0.010
Boscalid	<0.010	* Bromacil	<0.010	Bromfenvinphos-ethyl	<0.010
Bromfenvinphos-methyl	<0.010	Bromophos-ethyl	<0.010	Bromophos-methyl	<0.010
Bromopropylate	<0.010	Bupirimate	<0.010	Buprofezin	<0.010
* Carbaryl	<0.010	* Carbofuran (No Sum)	<0.010	Carbophenothion	<0.010
Carfentrazone-ethyl (No Sum)	<0.010	Chlorantraniliprole	<0.010	Chlorbenside	<0.010
Chlordane (cis+trans)	<0.015	Chlordane cis	<0.010	Chlordane trans	<0.010
Chlorfenapyr	<0.010	Chlorfenson	<0.010	Chlorfenvinphos	<0.010
* Chlornitrofen	<0.010	Chlorobenzilate	<0.010	Chloroneb	<0.010
* Chlorothalonil	<0.010	Chlorpropham	<0.010	Chlorpyrifos	<0.010
Chlorpyrifos-methyl	<0.010	Chlorthal-dimethyl	<0.010	Chlorthiophos	<0.010
* Chlozolinate	<0.010	* Chrotoxyphos	<0.010	Clomazone	<0.010
Coumaphos	<0.010	Cyfluthrin (sum of isomers)	<0.010	Cyhalofop-butyl	<0.010
Cypermethrin (sum of isomers)	<0.010	* Cyproconazole	<0.010	Cyprodinil	<0.010
Deltamethrin	<0.010	Di-allate	<0.010	Diazinon	<0.010
* Dichlobenil	<0.010	Dichlofluanid	<0.010	Dichlorobenzophenone, 4,4'-	<0.010
* Dichlorvos	<0.010	Dicloran	<0.010	Dieldrin	<0.010
Diethofencarb	<0.010	Difenoconazole	<0.010	Diflufenican	<0.010
Dimethachlor	<0.010	Dimethenamid	<0.010	* Dimethoate	<0.010
Diphenamid	<0.010	Diphenylamine	<0.010	* Disulfoton (No Sum)	<0.010
* Diuron	<0.010	Edifenphos	<0.010		



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Multiresidue (GC-MS/MS)

Procedure: PNT 1.13

Unit: mg/kg

Determination	Result	Determination	Result	Determination	Result
Endosulfan (alpha+beta+sulphate)	<0.020	Endosulfan alpha	<0.010	Endosulfan beta	<0.010
Endosulfan sulfate	<0.010	Endrin	<0.010	* Endrin ketone	<0.010
EPN	<0.010	Ethalfuralin	<0.010	Ethion	<0.010
Ethofumesate (No Sum)	<0.010	Ethylan	<0.010	* Etofenprox	<0.010
Etoazole	<0.010	1,1-dichloro-2,2-bis(4-ethylphenyl)ethane		Etrimfos	<0.010
Fenamidone	<0.010	* Etridiazole	<0.010	Fenarimol	<0.010
* Fenazaquin	<0.010	* Fenamiphos (No Sum)	<0.010	Fenitrothion	<0.010
Fenpropathrin	<0.010	Fenchlorphos (No Sum)	<0.010	Fenthion (No Sum)	<0.010
Fenvalerate	<0.010	Fenson	<0.010	Fluazifop-butyl (No Sum)	<0.010
Fluchloralin	<0.010	Fipronil (No Sum)	<0.010	Fludioxonil	<0.010
Flumioxazin	<0.010	Flucythrinate	<0.010	* Fluorodifen	<0.010
Fluquinconazole	<0.010	Fluopicolide	<0.010	Flusilazole	<0.010
Fluvalinate-Tau	<0.010	Fluridone	<0.010	Fonofos	<0.010
* Formothion	<0.010	* Folpet (+Folpet deg.)	<0.010	Haloxypop-etotyl	<0.010
Haloxypop-methyl (incl.H.p-methyl)	<0.010	* Genite	<0.010	HCH alpha	<0.010
* HCH beta	<0.010	* HCH (alpha+beta+delta)	<0.020	Heptachlor	<0.010
Heptachlor (+heptachlor epoxide)	<0.015	HCH delta	<0.010	Heptenophos	<0.010
* Hexachlorobenzene	<0.010	Heptachlor epoxide	<0.010	* Indanofan	<0.010
* Indoxacarb	<0.010	* Hexazinone	<0.010	* Iprodione	<0.010
Isazofos	<0.010	Iodofenphos	<0.010	Isafenphos	<0.010
Isafenphos-methyl	<0.010	* Isodrin	<0.010	Kresoxim-methyl	<0.010
Lambda-Cyhalothrin	<0.010	Isopropalin	<0.010	Leptophos	<0.010
		* Lenacil	<0.010		



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Multiresidue (GC-MS/MS)

Procedure: PNT 1.13

Unit: mg/kg

Determination	Result	Determination	Result	Determination	Result
* Lindane (HCH-g)	<0.010	* Linuron	<0.010	Malathion (No Sum)	<0.010
Mefenpyr-diethyl	<0.010	Metazachlor (No Sum)	<0.010	Methacrifos	<0.010
Methidathion	<0.010	* Methoxychlor	<0.010	Metolachlor (No Sum)	<0.010
Metrafenone	<0.010	Metribuzin	<0.010	* Mevinphos	<0.010
Myclobutanil	<0.010	* Nitralin	<0.010	Nitrofen	<0.010
* Nonachlor (cis+trans)	<0.015	* Nonachlor cis	<0.010	* Nonachlor trans	<0.010
Norflurazon	<0.010	Nuarimol	<0.010	o,p'-DDD	<0.010
o,p'-DDE	<0.010	* o,p'-DDT	<0.010	Oxadiazon	<0.010
* Oxadixyl	<0.010	Oxyfluorfen	<0.010	* p,p'-DDD	<0.010
* p,p'-DDE	<0.010	* p,p'-DDT	<0.010	Paclobutrazol	<0.010
Parathion-ethyl	<0.010	Parathion-methyl (No Sum)	<0.010	Pebulate	<0.010
Penconazole	<0.010	Pendimethalin	<0.010	Pentachloroaniline	<0.010
* Pentachloroanisole	<0.010	* Pentachlorobenzene	<0.010	Pentachlorobenzonitrile	<0.010
* Pentachlorothioanisole	<0.010	Permethrin (cis+trans)	<0.015	Permethrin cis	<0.010
Permethrin trans	<0.010	Phenothrin	<0.010	Phenthoate	<0.010
Phorate (No Sum)	<0.010	Phosalone	<0.010	Phosmet	<0.010
Piperonylbutoxide	<0.010	Pirimicarb	<0.010	Pirimiphos-ethyl	<0.010
Pirimiphos-methyl	<0.010	Pretilachlor	<0.010	* Prochloraz	<0.010
Procymidone	<0.010	Prodiamine	<0.010	Profenofos	<0.010
Profluralin	<0.010	Prometryn	<0.010	Propachlor (No Sum)	<0.010
Propanil	<0.010	Propargite	<0.010	Propiconazole	<0.010
Propisochlor	<0.010	Propyzamide	<0.010	* Prosulfocarb	<0.010
Prothiofos	<0.010	Pyraclofos	<0.010	* Pyraclostrobin	<0.010
Pyraflufen-ethyl (No Sum)	<0.010	Pyrazophos	<0.010	Pyridaben	<0.010
Pyridaphenthion	<0.010	Pyrifenox	<0.010	Pyrimethanil	<0.010

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Nuestras políticas



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

COSTUMER:

CASTILLO DE CANENA OLIVE JUICE, S.L.

C/ REMEDIOS, 4

**23420 CANENA
JAÉN**

Certificate of Analysis (1): 51202172604 / M5/I

Laboratory reference: 1/4.321

Date of receipt: 06/11/2025

Final date of Analysis: 02/12/2025

Issue date: 02/12/2025

Sample for Testing: Olive Oils

ANALYSIS RESULTS

Multiresidue (GC-MS/MS)

Procedure: PNT 1.13

Unit: mg/kg

Determination	Result	Determination	Result	Determination	Result
Pyriproxyfen	<0.010	Quinalphos	<0.010	Quinoxifen	<0.010
Quintozene	<0.010	Quintozene (+pentachloroaniline)	<0.015	* Resmethrin	<0.010
Simazine	<0.010	Sulfotep	<0.010	Sulprofos	<0.010
* Tebuconazole	<0.010	Tebufenpyrad	<0.010	Tecnazene	<0.010
Tefluthrin	<0.010	* Terbacil	<0.010	Terbufos	<0.010
* Terbumeton	<0.010	Terbutylazine	<0.010	Terbutryn	<0.010
Tetrachloroaniline, 2	<0.010	Tetrachlorvinphos	<0.010	Tetraconazole	<0.010
Tetradifon	<0.010	* Tetramethrin	<0.010	Tolclofos-methyl	<0.010
Tolylfluanid (No Sum)	<0.010	Transfluthrin	<0.010	Triadimefon	<0.010
* Triadimenol	<0.010	Tri-allate	<0.010	Triazophos	<0.010
* Tridiphane	<0.010	Trietazine	<0.010	Trifloxystrobin	<0.010
Trifluralin	<0.010	Vinclozolin	<0.010		

***Multiresidue (HPLC-MS/MS)**

Procedure: HPLC-MS

Unit: mg/Kg

Determination	Result	Determination	Result	Determination	Result
* Aldicarb sulfoxide	<0.01	* Demeton-S-methyl sulfone	<0.01	* DMST	<0.01
* Flonicamide	<0.01	* Fluacifop	<0.01	* Forato sulfoxido	<0.01
* Fosmet oxon	<0.01	* Phorate sulfone	<0.01	* Spirotetramat	<0.01
* Spirotetramat-enol	<0.01	* Spirotetramat-enol-glucoside	<0.01	* Spirotetramat-ketohydroxy	<0.01
* Spirotetramat-monohydroxy	<0.01	* TNFA	<0.01	* TNFG	<0.01

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Issue date: 02/12/2025

Sample for Testing: Olive Oils

ANALYSIS RESULTS

***Multiresidue (HPLC-MS/MS)**

Procedure: HPLC-MS

Unit: mg/Kg

Determination	Result	Determination	Result	Determination	Result
* 1-Naphthylacetamide	<0.01	* 2,4 D	<0.01	* 2,6-Dichlorobenzamide	<0.01
* 3-Hydroxycarbofuran	<0.01	* Abamectin	<0.01	* Acequinocyl	<0.01
* Acetamiprid	<0.01	* Aldicarb	<0.01	* Ametocradine	<0.01
* Aminocarb	<0.01	* Anilofos	<0.01	* Atrazine desisopropyl	<0.01
* Atrazine destil	<0.01	* Azaconazole	<0.01	* Azadirachtin	<0.01
* Bendiocarb	<0.01	* Bentazone	<0.01	* Benthavalicarbo isopropyl	<0.01
* Bioallethrin	<0.01	* Bixafen	<0.01	* Bromuconazole	<0.01
* Butoxycarboxim	<0.01	* Carbendazima + benomyl	<0.01	* Carbetamide	<0.01
* Carboxin	<0.01	* Carpropamide	<0.01	* Chloridazone	<0.01
* Chlorotoluron	<0.01	* Ciazofamide	<0.01	* Cinosulfuron	<0.01
* Climbazole	<0.01	* Clorsulfuron	<0.01	* Clothianidin	<0.01
* Cromafenozide	<0.01	* Cyanazine	<0.01	* Cyanthraniliprole	<0.01
* Cyflumetofen	<0.01	* Cymoxanil	<0.01	* DEET	<0.01
* Demethrin	<0.01	* Desirable Terbumeton	<0.01	* Desmedifam	<0.01
* Diclobutrazol	<0.01	* Dicrotophos	<0.01	* Diflubenzuron	<0.01
* Dimoxystrobin	<0.01	* Dinotefuran	<0.01	* Dinoterb	<0.01
* Disulfoton sulfone	<0.01	* Disulfoton sulfoxide	<0.01	* DMSA	<0.01
* Dodina	<0.01	* Emamectin	<0.01	* Epoxiconazole	<0.01
* Ethiofencarb	<0.01	* Ethiofencarb sulfone	<0.01	* Ethiofencarb-sulfoxide	<0.01
* Ethiprole	<0.01	* Etirimol	<0.01	* Famous	<0.01
* Fenmedifam	<0.01	* Fenpropimorph	<0.01	* Fensulfotion	<0.01
* Fention sulfoxide	<0.01	* Flazasulfuron	<0.01	* Flonicamide sum	<0.01
* Flubendiamide	<0.01	* Flufenacet	<0.01	* Flufencine	<0.01
* Fluometuron	<0.01	* Fluopyram	<0.01	* Fluoxastrobin	<0.01
* Flurochloridona	<0.01	* Fluroxyppr	<0.01	* Fluroxyppr 1-methylheptyl ester	<0.01



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Final date of Analysis: 02/12/2025

Issue date: 02/12/2025

Sample for Testing: Olive Oils

ANALYSIS RESULTS

***Multiresidue (HPLC-MS/MS)**

Procedure: HPLC-MS

Unit: mg/Kg

Determination	Result	Determination	Result	Determination	Result
* Flurprimidol	<0.01	* Flurtamone	<0.01	* Flutolanil	<0.01
* Flutriafol	<0.01	* Formetanate	<0.01	* Fosfamidon	<0.01
* Fox	<0.01	* Fuberidazole	<0.01	* Halosulfuron metil	<0.01
* Hexachlorophene	<0.01	* Hexitiazox	<0.01	* Imidacloprid	<0.01
* Iprobenfos	<0.01	* Iprovalicarbo	<0.01	* Isofetamid	<0.01
* Isoprocarb	<0.01	* Isoproturon	<0.01	* Isoxaben	<0.01
* Lufenuron	<0.01	* Malaoxon	<0.01	* Mecarbam	<0.01
* Mepanipyrim	<0.01	* Mepronil	<0.01	* Metabenziazuron	<0.01
2-hydroxypropyl					
* Metamitrona	<0.01	* Methoxuron	<0.01	* Methoxyfenozide	<0.01
* Metiocarb sulfoxide	<0.01	* Metobromuron	<0.01	* Metolcarb	<0.01
* Metomyl	<0.01	* Metsulfuron-methyl	<0.01	* Monocrotophos	<0.01
* Monolinuron	<0.01	* Naled	<0.01	* Napropamide	<0.01
* Neburon	<0.01	* Nitempiram	<0.01	* Ofurace	<0.01
* Ometoate	<0.01	* Orizalina	<0.01	* Oxamyl	<0.01
* Oxidemeton-methyl	<0.01	* Oxidemeton-methyl sum	<0.01	* Pencicuron	<0.01
* Penoxsulam	<0.01	* Penthiopyrad	<0.01	* Petoxamide	<0.01
* Phenbutathane oxide	<0.01	* Phenobuconazole	<0.01	* Phenpiclonil	<0.01
* Phenpyrazamine	<0.01	* Phosphazate	<0.01	* Picloram	<0.01
* Picoxystrobin	<0.01	* Pirimicarb desmethyl	<0.01	* Profoxidim	<0.01
* Promecarb	<0.01	* Propaquizafop	<0.01	* Propetamphos	<0.01
* Proquinazid	<0.01	* Prosulfuron	<0.01	* Prothioconazole destio	<0.01
* Pymetrozine	<0.01	* Quizalofop	<0.01	* Quizalofop-ethyl	<0.01
* Rotenone	<0.01	* Saflufenacil	<0.01	* Sebutilacin	<0.01
* Silthiopham	<0.01	* Simetryn	<0.01	* Spinetoram	<0.01
* Spinosad	<0.01	* Spirotetramat sum	<0.01	* Tebufenozide	<0.01
* Tebutam	<0.01	* Temephos	<0.01	* Thiabendazole	<0.01



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Issue date: 02/12/2025

Sample for Testing: Olive Oils

ANALYSIS RESULTS

***Multiresidue (HPLC-MS/MS)**

Procedure: HPLC-MS

Unit: mg/Kg

Determination	Result	Determination	Result	Determination	Result
* Thiamethoxam	<0.01	* Thiodicarb	<0.01	* Thiofanox	<0.01
* Thiofanox-sulfoxide	<0.01	* Thiophanate-methyl	<0.01	* Thiophanox sulfone	<0.01
* Tiacloprid	<0.01	* Tiazopir	<0.01	* Tifensulfuron-methyl	<0.01
* Tralcoxidim	<0.01	* Triasulfuron	<0.01	* Trichlorfon	<0.01
* Tricyclazole	<0.01	* Triflumuron	<0.01	* Vamidotion	<0.01
* Zoxamide	<0.01				

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

Comments:

Note 1: Limits indicated in Implementing Regulation (EU) 2022/2104 and subsequent modifications.

Note 2: Limits of CODEX Stan 33-1981. Last rev.

Note 3: Limits specified in the COI/T.15/NC N°3

Note 4: Limits specified in the (UE) Regulation 2023/915 and subsequent amendments.

Note MR: As established in Article 20 of Regulation 396/2005, to determine the MRL in processed products (olive oil), it is necessary to apply processing factors to the MRL of the original product (olives for oil). According to AESAN, in its note of February 28, 2024, the concentration factor for olive oil can be between 3 and 5.

Pesticides indicated with "(No Sum)" do not include the full EU pesticide residue definition.

Nota c) Ensayo cubierto por la acreditación N° LAB0060 emitida por ACCREDIA.

Nota f) Ensayo cubierto por la acreditación N° 493/LE1019

El contenido de Vitamina E se calcula a partir de los resultados analíticos del Alfa-Tocoferol, Beta-Tocoferol, Gamma-Tocoferol y Delta-Tocoferol.

Nota A: Max 0.9 (si Ac.Palmitico < 14 %) y Max 1.0 (Si Ac.Palmitico >14%)

- La composición de esteroides cumple con el árbol de decisiones para el Campesterol del Reglamento Delegado (UE) 2022/2104.



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Issue date: 02/12/2025

Sample for Testing: Olive Oils

ANALYSIS RESULTS

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.

Analytical methods results that include extraction phase have not been corrected because recovery factors are between 95% - 105%

Vº Bº Jefe de Laboratorio



Fdo: Mª Luisa Cuenca de los Cobos

(1) This report has been issued by Laboratorio Juan Antonio Tello S.L.U.

(2) Laboratorio Juan Antonio Tello S.L.U. is not responsible for the information of the sample provided by the client or for the sample collection.

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COSTUMER:

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**23420 CANENA
JAÉN**

Certificate of Analysis (1): 51117130417 / M3/I

Laboratory reference: 1/4.321

Date of receipt: 06/11/2025

Final date of Analysis: 17/11/2025

Issue date: 17/11/2025

Sample for Testing: Olive Oils

Packing: 3 BOTTELLAS VIDRIO OPACO 500 ml TAPÓN PRECINTO BLANCC Quantity: 1.5 L

DATA PROVIDED BY CLIENT (2)

#Sample reference: DEPÓSITO 1.10 BIO ARBEQUINO

ANALYSIS RESULTS

DETERMINATION	RESULT	PROCEDURE
Organoleptic assessment		
Median of fruity		7.2 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.Nº15.Rev11. Clasf Reg 2022/2104

Vº Bº Jefe de Panel

Ana M.ª Camacho
Jefe de Panel

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