



Laboratory certified by FOSFA London
Laboratory approved by GAFTA London
BIPEA member (Interprofesional Office for Analytics Research - France)
Laboratory authorized by Local Government (Junta de Andalucía) (Ref. A-218-AU)

(*) Analysis marked are not within the scope of ENAC accreditation

FINAL REPORT:
SV24-01878

DATE: 08/08/2024

SAMPLE DATA		CLIENT DATA	
Order Nº:	729111/24	VIDORIA, S.L.	
Client ID:	LOT 217	CL	
Laboratory ID:	SV24-01878.001	CRTA REUS CAMBRILS KM4,5	
Product: (1)	Pure Olive Oil	43206 REUS	
Description:	OIL INTO A 1L GLASS BOTTLE	SPAIN	
Received:	05/08/2024	Atn:	
Sampled by :	SGS		

RESULTS			
ANALYSIS	RESULT	UNIT	TEST METHOD
Free Fatty Acid (oleic acid) (cold solvent method using indicator)	0,15	%(m/m)	COI T.20/Doc. No. 34/ 2017
Acid Value (cold solvent method using indicator)	0,30	mgKOH/g	COI T.20/Doc. No. 34/ 2017
Peroxide value	<1,0	meqO2/kg	COI/ T.20/Doc. No.35/ Rev.1
Moisture and Volatile Matter	<0,01	%(m/m)	ISO 662:2016 Método B
Wax content			COI T.20/ Doc. no. 28/ 2024
Wax content (C40 to C46)	317	mg/kg	
Ultraviolet absorbance			COI T.20/ Doc. No.19/ 2019
K232	2,16	---	
K270	0,60	---	
Inc. K	0,06	---	
Fatty acids composition			COI/ T.20/Doc. No. 33 Rev. 1
Lauric acid (C12:0) (*)	<0,01	%	
Myristic acid (C14:0)	0,02	%	
Palmitic acid (C16:0)	13,25	%	
Palmitoleic acid (C16:1)	1,29	%	
Margaric acid (C17:0)	0,10	%	
Margaroleic acid (C17:1)	0,18	%	
Stearic acid (C18:0)	3,06	%	
T-Oleic acid (C18:1)	0,07	%	
Oleic acid (C18:1)	70,63	%	
Linoleic acid (C18:2)	9,78	%	
Linolenic acid (C18:3)	0,74	%	
Sum trans-linoleic +Trans Linolenic isomers (trans C18:2 + trans C18:3)	0,09	%	
Sum trans-oleic + trans-linoleic +Trans Linolenic isomers (trans C18:1 + trans C18:2 + trans C18:3)	0,16	%	
Arachidic acid (C20:0)	0,47	%	
Gadoleic acid (C20:1)	0,27	%	
Behenic acid (C22:0)	0,13	%	
Erucic acid (C22:1) (*)	<0,01	%	
Lignoceric acid (C24:0)	0,07	%	

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These results refer exclusively to the samples analyzed. The results shown in the report refer only to the sample(s) unless otherwise stated. This document cannot be reproduced without the written consent of the Laboratory Management. It is not a quality certificate. The laboratory will keep the samples for 90 days.

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Page 2 of 3

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RESULTS			
ANALYSIS	RESULT.	UNIT	TEST METHOD
Iodine value (Titration) (*)	85	g/100g	ISO 3961:2018
Metals			PE-S-957-LABE-28 (ICP/MS)
Total Arsenic (As)	<0,020	mg/kg	
Mercury (Hg) (*)	<0,020	mg/kg	
Lead (Pb)	<0,020	mg/kg	
Tin(Sn) (*)	<0,20	mg/kg	
Mycotoxins			PE-S-957-LABE-17 (LC/Ms-Ms)
Aflatoxins B1	<1,0	µg/kg	
Aflatoxins B2	<1,0	µg/kg	
Aflatoxins G1	<1,0	µg/kg	
Aflatoxins G2	<1,0	µg/kg	
Aflatoxins (B&G)	<4,0	µg/kg	
Polycyclic Aromatic Hydrocarbon			PE-S-957-LABE-23 (GC-MS/MS)
Benzo (a) Pyrene (*)	<0,90	µg/kg	
Benzo (a) Anthracene (*)	<0,90	µg/kg	
Benzo (b) Fluorantene (*)	<0,90	µg/kg	
Chrysene (*)	<0,90	µg/kg	
benzo(a)pyrene+ benzo(a)anthracene+ benzo(b)fluoranthene+ chrysene (*)	<3,60	µg/kg	
Content of polar compounds (*)	2,9	%	UNE-EN ISO 8420:2002

Analysed: between 06/08/2024 and 08/08/2024

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SGS Española de Control SA

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FINAL REPORT:
SV24-01878

DATE: 08/08/2024

Photography description: (1)



Signed for and on Behalf of SGS Española de Control S.A :

Macarena González Catalán
Technical Director

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Agricultural, Food and Life (AFL)
Pol.Ind. Santa Clara de Cuba
Av. Santa Clara De Cuba, no.4 nave 26
41007 SEVILLA
SPANIEN

Test Report 7022155
Order No. 7093688
Customer No. 10076944

John Bermudez
Phone +49 40 30101-663
Fax +49 40 30101-955
John.BermudezVera@sgs.com



SGS Germany GmbH
Heidenkampsweg 99
20097 Hamburg

Hamburg, 16.08.2024

Your order/project: OLIVE OIL
Your purchase order number: 1084107
Your purchase order date: 05.08.2024

General Information:

Sample No.:	240770657
Sample:	SV24-01878 PURE OLIVE OIL LOT217-TAR-01 29/07/2026
Date of receipt:	06.08.2024
Testing period (begin / end):	07.08.2024 / 16.08.2024
Quantity:	165g
Packaging:	Glass bottle

Test Results:

Parameter	Method	Lab	Unit	Result	Limit of quantification	Requirements
Special analyses:						
Glycidylester det. as free Glycidol	ISO 18363-2	HH	mg/kg	0,25	0,10	
Sum free 3-MCPD, 3-MCPDester, det. as free 3-MCPD	ISO 18363-2	HH	mg/kg	0,33	0,10	

Investigations at the laboratory location Hamburg (HH) are carried out in the laboratory of the SGS Germany GmbH.
Investigations at the laboratory locations Berlin (B2), Freiburg (FR) and Taunusstein (TS) are carried out in laboratories of the SGS INSTITUT FRESENIUS GmbH.
Non-accredited test methods, if any, are marked as such.

The laboratory sites of the SGS group Germany according to the abbreviations mentioned above including the corresponding accreditation process numbers are listed at <http://www.institut-fresenius.de/filestore/89/laborstandortkuerzelsgs.pdf>.

SGS Germany GmbH

Summary of used test methods:



Your order/project: OLIVE OIL
 Your purchase order number: 1084107

Test Report 7022155
 Order 7093688 Sample 240770657

Page 2 of 2
 16.08.2024

ISO 18363-2	2018-12 corresponds to SGS "2in1" und AOCs Cd 29b-13 extended measurement uncertainty (relative) with $p = 95\%$, $k = 2$ (sampling was not taken into account): 4-12 % for the sum 3-MCPD, determined on different food with 0,38-73 mg/kg 8-24 % for Glycidylester, determined on different food with 0,3-35,9 mg/kg The sample-specific measurement uncertainty was not determined and can deviate.
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*** End of test report ***

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TEST REPORT

No. VAR24-0010897-0005 A / 15.08.2024

Laboratory of SGS Bulgaria Ltd.

ΦK 08 A1

Page 1 of 2

Laboratory of
SGS Bulgaria Ltd.

Accredited by EA BAS in compliance with BDS EN ISO/IEC 17025:2018,
Accreditation certificate: BAS reg. No 86 ΠΙ, Dated: 30.01.2023, Valid until: 29.01.2025.
EA BAS is a signatory to the EA MLA and ILAC MRA.
The scope of accreditation is published on the official web site of SGS Bulgaria Ltd www.sgs.bg

Analyses ordered by: **F050101 SGS ESPANOLA DE CONTROL, S.A.** Date of sample receipt: 07.08.2024
CL Trespaderne, 29 Madrid, Madrid 28042 SPAIN Date of analysis: 07.08.2024 - 15.08.2024

Type of sample: Fats, oils and derivatives. Olive oil

Sample description: 250 ml

The sample is identified by the client as: SV24-01878
CHEF OIL
PURE OLIVE OIL
LOT 217 – TAR-01
29/07/2026
PO Number: 1084110

The sample is formed by the client.

Package: Glass Seal: No seal

Package quality: Unimpaired Representative for: -

Sampling report: - Sample temperature: -

Sample weight: -

The sample is destroyed during analysis.

Chemical tests

Parameter	Unit	Test Result, Uncertainty	Method of Analyses	Test Conditions
Polychlorinated dibenzodioxins and dibenzofurans			EPA 1613:1994	GC/HRMS
Results are presented in ANNEX DIOXINS AND DIOXIN-LIKE COMPOUNDS.				
Polychlorinated biphenyls			EPA 1668B:2008	GC/HRMS
Results are presented in ANNEX DIOXINS AND DIOXIN-LIKE COMPOUNDS.				
Non-dioxin-like PCBs			EPA 1668B:2008	GC/HRMS
PCB 28	ng/g fat	< 0.10		-
PCB 52	ng/g fat	< 0.10		-
PCB 101	ng/g fat	< 0.10		-
PCB 138	ng/g fat	< 0.10		-
PCB 153	ng/g fat	< 0.10		-
PCB 180	ng/g fat	< 0.10		-

< Limit of quantification (LOQ)

* Limit of detection (LOD)

Sum of analytes are reported as lower-bound values, unless stated different.

The reported uncertainties are expanded by a coverage factor of k=2 to a level of confidence of approximately 95 %.

Doc Number : VAR2400013597

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Comment on the results with reference to Commission Regulation (EU) 2023/915

Parameter	Result, Uncertainty	Unit	Maximum level
Sum of dioxins (WHO-PCDD/F-TEQ) - upper-bound	0.33 ± 0.08	pg/g fat	0.75
Sum of dioxins and dioxin-like PCBs (WHO-PCDD/F-PCB-TEQ) - upper-bound	0.37 ± 0.09	pg/g fat	1.25
Sum of non-dioxin-like PCBs (ICES-6) - upper-bound	0.60 ± 0.12	ng/g fat	40

The actual PCDD/F and PCDD/F/PCB content is lower than or equal to the corresponding upper-bound value.

Additional information is available in Annex Dioxins and Dioxin-like compounds.

Original 1

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2. The test report shall not be reproduced except in full without written approval of the laboratory.

3. The tests are performed in the permanent premises of the laboratory in Varna.

Results validated by

Anna Tsaneva - Technical manager

VALIDATED, 15.08.2024

Administrative signature of
Veselka Pashova, Laboratory manager

This electronically generated test report has been checked and approved. It is also valid without handwritten signatures.

----- End of Report -----

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Comment on the results with reference to Commission Regulation (EU) 2023/915

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Sum of dioxins and dioxin-like PCBs (WHO-PCDD/F-PCB-TEQ) - upper-bound	0.37 ± 0.09	pg/g fat	1.25
Sum of non-dioxin-like PCBs (ICES-6) - upper-bound	0.60 ± 0.12	ng/g fat	40

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Results validated by

Anna Tsaneva - Technical manager

VALIDATED, 15.08.2024

Administrative signature of
Veselka Pashova, Laboratory manager

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Parameter	Unit	Test Result, Uncertainty	WHO-TEF	WHO-TEF pg/g fat Lowerbound	WHO-TEF pg/g fat Middlebound	WHO-TEF pg/g fat Upperbound
2,3,7,8-TCDF	pg/g fat	< 0.03	0.1	0.0000	0.0017	0.0035
2,3,7,8-TCDD	pg/g fat	< 0.07	1	0.0000	0.0347	0.0694
1,2,3,7,8-PeCDF	pg/g fat	< 0.10	0.03	0.0000	0.0015	0.0030
2,3,4,7,8-PeCDF	pg/g fat	< 0.11	0.3	0.0000	0.0165	0.0330
1,2,3,7,8-PeCDD	pg/g fat	< 0.14	1	0.0000	0.0706	0.1412
1,2,3,4,7,8-HxCDF	pg/g fat	< 0.08	0.1	0.0000	0.0038	0.0076
1,2,3,6,7,8-HxCDF	pg/g fat	< 0.07	0.1	0.0000	0.0036	0.0072
2,3,4,6,7,8-HxCDF	pg/g fat	< 0.08	0.1	0.0000	0.0041	0.0081
1,2,3,7,8,9-HxCDF	pg/g fat	< 0.12	0.1	0.0000	0.0059	0.0118
1,2,3,4,7,8-HxCDD	pg/g fat	< 0.14	0.1	0.0000	0.0067	0.0135
1,2,3,6,7,8-HxCDD	pg/g fat	< 0.15	0.1	0.0000	0.0073	0.0145
1,2,3,7,8,9-HxCDD	pg/g fat	< 0.15	0.1	0.0000	0.0076	0.0152
1,2,3,4,6,7,8-HpCDF	pg/g fat	< 0.10	0.01	0.0000	0.0005	0.0010
1,2,3,4,7,8,9-HpCDF	pg/g fat	< 0.13	0.01	0.0000	0.0006	0.0013
1,2,3,4,6,7,8-HpCDD	pg/g fat	< 0.15	0.01	0.0000	0.0007	0.0015
OCDF	pg/g fat	< 0.34	0.0003	0.0000	0.0001	0.0001
OCDD	pg/g fat	< 0.34	0.0003	0.0000	0.0001	0.0001
Sum of dioxins (WHO-PCDD/F-TEQ)	pg/g fat			0.000	0.166	0.332
Mono-ortho PCBs						
PCB 123	pg/g fat	< 0.26	0.00003	0.000000	0.000004	0.000008
PCB 118	pg/g fat	1.34 ± 0.34	0.00003	0.000040	0.000040	0.000040
PCB 114	pg/g fat	< 0.27	0.00003	0.000000	0.000004	0.000008
PCB 105	pg/g fat	0.74 ± 0.19	0.00003	0.000022	0.000022	0.000022
PCB 167	pg/g fat	< 0.12	0.00003	0.000000	0.000002	0.000004
PCB 156	pg/g fat	0.38 ± 0.10	0.00003	0.000011	0.000011	0.000011
PCB 157	pg/g fat	< 0.12	0.00003	0.000000	0.000002	0.000004
PCB 189	pg/g fat	< 0.49	0.00003	0.000000	0.000007	0.000015
Non-ortho PCBs						
PCB 81	pg/g fat	< 0.21	0.00003	0.000000	0.000003	0.000006
PCB 77	pg/g fat	0.27 ± 25 rel.%	0.0001	0.000027	0.000027	0.000027
PCB 126	pg/g fat	< 0.37	0.1	0.000000	0.018571	0.037142
PCB 169	pg/g fat	< 0.14	0.03	0.000000	0.002160	0.004320
Sum of dioxin-like PCBs (WHO-PCBs - TEQ)	pg/g fat			0.000	0.021	0.042
Sum of dioxins and dioxin-like PCBs (WHO-PCDD/F-PCB-TEQ)	pg/g fat			0.000	0.187	0.374