 Laboratory of SGS Bulgaria Ltd.	TEST REPORT	ΦK 08 A1 Page 1 of 2
	No. VAR24-0006862-0002 A / 03.06.2024 Laboratory of SGS Bulgaria Ltd. <small>Accredited by EA BAS in compliance with BDS EN ISO/IEC 17025:2018, Accreditation certificate: BAS reg. No 86 ЛП, 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</small>	

Analyses ordered by: F050101 SGS ESPANOLA DE CONTROL, S.A. Date of sample receipt: 27.05.2024 CL Trespaderne, 29 Madrid, Madrid 28042 SPAIN <div style="text-align: right;">Date of analysis: 27.05.2024 - 03.06.2024</div>	
Type of sample: Sample description: The sample is identified by the client as:	Fats, oils and derivatives. Olive oil 250 ml SV24-01314.001 CHEF OIL EXTRA VIRGIN OLIVE OIL 750ML LOT 187 20/05/2026 TAR-01&TAR-02
The sample is formed by the client.	
Package: Package quality: Sampling report: Sample weight:	Glass Unimpaired - -
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.				
Polychlorinated biphenyls				
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 : VAR2400008725

Laboratory of SGS Bulgaria Ltd.

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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	0.22 ± 0.06	pg/g fat	0.75
Sum of dioxins and dioxin-like PCBs (WHO-PCDD/F-PCB-TEQ) - upper-bound	0.26 ± 0.07	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

Notes:

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

Results validated by

Anna Tsaneva - Technical manager

VALIDATED, 03.06.2024

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 -----

Doc Number : VAR2400008725

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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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Results validated by
 Anna Tsaneva - Technical manager

VALIDATED, 03.06.2024

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	< 0.04	0.1	0.0000	0.0020	0.0040
2,3,7,8-TCDD	pg/g fat	< 0.03	1	0.0000	0.0129	0.0258
1,2,3,7,8-PeCDF	pg/g fat	< 0.04	0.03	0.0000	0.0006	0.0013
2,3,4,7,8-PeCDF	pg/g fat	< 0.04	0.3	0.0000	0.0056	0.0113
1,2,3,7,8-PeCDD	pg/g fat	< 0.11	1	0.0000	0.0537	0.1075
1,2,3,4,7,8-HxCDF	pg/g fat	< 0.07	0.1	0.0000	0.0036	0.0071
1,2,3,6,7,8-HxCDF	pg/g fat	< 0.07	0.1	0.0000	0.0033	0.0065
2,3,4,6,7,8-HxCDF	pg/g fat	< 0.08	0.1	0.0000	0.0042	0.0083
1,2,3,7,8,9-HxCDF	pg/g fat	< 0.13	0.1	0.0000	0.0064	0.0128
1,2,3,4,7,8-HxCDD	pg/g fat	< 0.12	0.1	0.0000	0.0059	0.0119
1,2,3,6,7,8-HxCDD	pg/g fat	< 0.12	0.1	0.0000	0.0058	0.0115
1,2,3,7,8,9-HxCDD	pg/g fat	< 0.12	0.1	0.0000	0.0060	0.0120
1,2,3,4,6,7,8-HpCDF	pg/g fat	< 0.09	0.01	0.0000	0.0005	0.0009
1,2,3,4,7,8,9-HpCDF	pg/g fat	< 0.10	0.01	0.0000	0.0005	0.0010
1,2,3,4,6,7,8-HpCDD	pg/g fat	< 0.07	0.01	0.0000	0.0004	0.0007
OCDF	pg/g fat	< 0.27	0.0003	0.0000	0.0000	0.0001
OCDD	pg/g fat	< 0.09	0.0003	0.0000	0.0000	0.0000
Sum of dioxins (WHO-PCDD/F-TEQ)	pg/g fat			0.000	0.111	0.223
Mono-ortho PCBs						
PCB 123	pg/g fat	< 0.26	0.00003	0.000000	0.000004	0.000008
PCB 118	pg/g fat	1.42 ± 0.36	0.00003	0.000042	0.000042	0.000042
PCB 114	pg/g fat	< 0.30	0.00003	0.000000	0.000004	0.000009
PCB 105	pg/g fat	0.59 ± 0.15	0.00003	0.000018	0.000018	0.000018
PCB 167	pg/g fat	< 0.31	0.00003	0.000000	0.000005	0.000009
PCB 156	pg/g fat	< 0.26	0.00003	0.000000	0.000004	0.000008
PCB 157	pg/g fat	< 0.28	0.00003	0.000000	0.000004	0.000008
PCB 189	pg/g fat	< 0.70	0.00003	0.000000	0.000010	0.000021
Non-ortho PCBs						
PCB 81	pg/g fat	< 0.27	0.00003	0.000000	0.000004	0.000008
PCB 77	pg/g fat	0.45 ± 0.11	0.0001	0.000045	0.000045	0.000045
PCB 126	pg/g fat	< 0.32	0.1	0.000000	0.015934	0.031867
PCB 169	pg/g fat	< 0.31	0.03	0.000000	0.004717	0.009434
Sum of dioxin-like PCBs (WHO-PCBs - TEQ)	pg/g fat			0.000	0.021	0.041
Sum of dioxins and dioxin-like PCBs (WHO-PCDD/F-PCB-TEQ)	pg/g fat			0.000	0.132	0.264

FINAL REPORT:

SV24-01314

DATE: 11/06/2024

SAMPLE DATA		CLIENT DATA
Order N°:	722090/24	VIDORIA, S.L.
Client ID:	LOT 187	CL
Laboratory ID:	SV24-01314.001	CRTA REUS CAMBRILS KM4,5
Product: (1)	Extra Virgin Olive Oil	43206 REUS
Description:	2*OIL INTO A 750ML GLASS BOTTLE	SPAIN
Received:	23/05/2024	Atn:
Sampled by :	CLIENT	

In pursuance to an order from VIDORIA our intervention will be analysis on received sample.

(1) INFORMATION OF THE LABEL:
CHEF OIL
EXTRA VIRGIN OLIVE OIL 750ML
LOT 187
20/05/2026
TAR-01&TAR-02

RESULTS			
ANALYSIS	RESULT.	UNIT	TEST METHOD
Free Fatty Acid (oleic acid) (cold solvent method using indicator)	0,28	%(m/m)	COI T.20/Doc. No. 34/ 2017
Acid Value (cold solvent method using indicator)	0,55	mgKOH/g	COI T.20/Doc. No. 34/ 2017
Peroxide value	3,6	meqO2/kg	COI/ T.20/Doc. No.35/ Rev.1
Moisture and Volatile Matter	0,13	%(m/m)	ISO 662:2016 Método B
Wax content			COI T.20/ Doc. no. 28/ 2022
Wax content (C42 to C46)	40	mg/kg	
Ultraviolet absorbance			COI T.20/ Doc. No.19/ 2019
K232	1,55	---	
K270	<0,10	---	
Inc. K	0,00	---	
Fatty acids composition			COI/ T.20/Doc. No. 33 Rev. 1
Lauric acid (C12:0) (*)	<0,01	%	
Myristic acid (C14:0)	<0,01	%	
Palmitic acid (C16:0)	10,87	%	
Palmitoleic acid (C16:1)	1,03	%	
Margaric acid (C17:0)	0,06	%	
Margaroleic acid (C17:1)	0,11	%	
Stearic acid (C18:0)	3,80	%	
T-Oleic acid (C18:1)	<0,01	%	
Oleic acid (C18:1)	76,74	%	
Linoleic acid (C18:2)	5,89	%	
Linolenic acid (C18:3)	0,70	%	
Sum trans-linoleic + Trans Linolenic isomers (trans C18:2 + trans C18:3)	<0,02	%	

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Laboratory has estimated uncertainties for each accredited parameter at client disposal.

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SGS Española de Control SA

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Miembro del Grupo SGS (SGS S.A)

FINAL REPORT:
SV24-01314

DATE: 11/06/2024

RESULTS

ANALYSIS	RESULT	UNIT	TEST METHOD
Sum trans-oleic + trans-linoleic + Trans Linolenic isomers (trans C18:1 + trans C18:2 + trans C18:3)	<0,03	%	
Arachidic acid (C20:0)	0,38	%	
Gadoleic acid (C20:1)	0,24	%	
Behenic acid (C22:0)	0,10	%	
Erucic acid (C22:1) (*)	<0,01	%	
Lignoceric acid (C24:0)	0,05	%	
Iodine value (Titration) (*)	84	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 (*)	3,8	%	UNE-EN ISO 8420:2002

Analysed: between 24/05/2024 and 11/06/2024

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



Macarena González Catalán
Technical Director

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