

Provisional Test Report no. 2980/26

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Bitonto, 24/04/26

Customer: SPF Economie PME Classes moyennes et Ene

Rue de Progrès 50

1210

BRUXELLES

EE

Received 14/04/26

Started 14/04/26

Completed 24/04/26

Product Declared

olio extravergine di oliva

Sample Description

extra virgin olive oil origin Italy - Casa Astrid - unique number HO/2025/15 - date of sampling 21/11/2025

Seal type

stainless steel with plastic cap closed in plastic bag sealed with plastic seal

Quantity

750 ml

Return of sample

no

Sampling

by the Customer

Checked Temperature

pos

Test Name and Analytical Method	Results	Ue	LOQ	R%	Limit Value	Note
FREE FATTY ACIDS, in % Oleic Acid COI/T.20/Doc n.34 rev.1 2017	0,22	± 0,03			£0,80 ⁽¹⁾	
PEROXIDE VALUE, meq di O2/Kg COI/T.20/Doc n.35 rev.1 2017	9,2	± 1,4			£20,0 ⁽¹⁾	
SPECTROPHOTOMETRIC INVESTIGATION in UV COI/T.20/Doc n.19 rev.5 2019						
K232	2,00	± 0,18			£2,50 ⁽¹⁾	
K268	0,15	± 0,02			£0,22 ⁽¹⁾	
Delta K	-0,002	± 0,001			£0,010 ⁽¹⁾	
Content of ethyl esters, in mg/Kg COI/T.20/Doc n.28/rev.4 2024	2,5	± 0,5			£35,0 ⁽¹⁾	
WAXES, in mg/kg COI/T.20/Doc n.28/rev.4 2024	33,4	± 4,9			£150,0 ⁽¹⁾	
STIGMASTADIENES 3,5, in mg/kg COI/T.20/Doc n.11/rev.4 2021	0,01	± 0,00	0,01		£0,05 ⁽¹⁾	
METHYL ESTERS OF FATTY ACIDS in % COI/T.20/Doc n.33 rev.1 2017						
C12:0 - Lauric acid	<LOQ		0,01		⁽¹⁾	
C14:0 - Myristic acid	0,01	± 0,00	0,01		£0,03 ⁽¹⁾	
C16:0 - Palmitic acid	14,65	± 0,54	0,01		7,50- 20,00 ⁽¹⁾	
C16:1 - Pamitoleic acid	1,30	± 0,08	0,01		0,30- 3,50 ⁽¹⁾	
C17:0 - Heptadecanoic acid	0,13	± 0,01	0,01		£0,40 ⁽¹⁾	
C17:1 - Heptadecenoic acid	0,24	± 0,02	0,01		£0,60 ⁽¹⁾	
C18:0 - Stearic acid	2,90	± 0,09	0,01		0,50- 5,00 ⁽¹⁾	
C18:1 - Oleic acid	72,78	± 0,58	0,01		55,00- 85,00 ⁽¹⁾	
C18:2 - Linoleic acid	6,36	± 0,17	0,01		2,50- 21,00 ⁽¹⁾	
C20:0 - Arachidic acid	0,48	± 0,04	0,01		£0,60 ⁽¹⁾	
C18:3 - Linolenic acid	0,64	± 0,05	0,01		£1,00 ⁽¹⁾	
C20:1 - Eicosenoic acid	0,31	± 0,03	0,01		£0,50 ⁽¹⁾	
C22:0 - Behenic acid	0,13	± 0,02	0,01		£0,20 ⁽¹⁾	
C22:1 - Erucic acid	<LOQ		0,01		⁽¹⁾	
C24:0 - Lignoceric acid	0,07	± 0,02	0,01		£0,20 ⁽¹⁾	
C18:1 - (Elaidinic)	0,01	± 0,00	0,01		£0,05 ⁽¹⁾	
Trans C18:2 + C18:3	<LOQ		0,01		£0,05 ⁽¹⁾	
Triacylglycerols ECN 42, in % COI/T.20/Doc n.20/rev.4 2017						
ECN42 (HPLC)	0,30					
ECN42 (Theoretical result)	0,31					
DELTA ECN42	0,01	± 0,00			£0,20 ⁽¹⁾	
STEROLS COMPOSITION, in % COI/T.20/Doc n.26 rev.5 2020						

Laboratorio operante secondo la norma UNI CEI EN ISO/IEC 17025.
Autorizzato dal Masaf al rilascio dei certificati di analisi nel settore oleicolo e per l'agricoltura biologica. Inserito nel Registro Regionale (Num. Prog. 60P) dei laboratori che effettuano analisi ai fini dell'autocontrollo di cui al Reg. CE 852/2004 in materia di igiene e sicurezza dei prodotti alimentari.



Laboratory recognised by International Olive Council (COI) for physico-chemical analysis of olive oils - Advanced Testing (01/12/2025 - 30/11/2026)

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Test Name and Analytical Method	Results	Ue	LOQ	R%	Limit Value	Note
Cholesterol	0,2	± 0.1	0,1		£0,5 (1)	
Brassicasterol	<LOQ		0,1		£0,1 (1)	
24 Methylcholesterol	0,1		0,1			
Campesterol	2,7	± 0.1	0,1		£4,0 (1a)	
Campestanol	0,1		0,1			
Stigmasterol	0,7	± 0.0	0,1		<CAMPEST (1)	
Delta 7 Campesterol	<LOQ		0,1			
Delta 5,23 Stigmastadienol	<LOQ		0,1			
Clerosterol	1,2		0,1			
BetaSitoSterol	84,2		0,1			
Sitostanol	1,0		0,1			
Delta 5 Avenasterol	7,9		0,1			
Delta 5,24 Stigmastadienol	0,8		0,1			
Delta 7 Stigmastanol	0,3	± 0.0	0,1		£0,5 (1a)	
Delta 7 Avenasterol	0,8		0,1			
TOTAL BETASITOSTEROL	95,1	± 0,5	0,1		³ 93,0 (1)	
TOTAL STEROLS, mg/Kg	1211	± 40			³ 1000 (1)	
ERYTHRODIOL and UVAOL, in % Total Sterols	1,6	± 0.1	0,1		£4,5	
Det.palmitic acid in % in β pos. of triglycerides	0,79	± 0.16				

COI/T.20/Doc.n.19/rev.1 2017

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Test Name and Analytical Method	Results	Ue	LOQ	R%	Limit Value	Note
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LEGEND

- Any partial reproduction of this report must be authorized by the LAB through a written and formal approval. All analytical results are strictly referring to received sample, and not to the complete batch this sample is representing. All samples are stored for 7 days, excepted specific agreement with Customer.
- Any information in the fields "Product Declared" and "Sample Description", if present, are provided by the Customer. The Laboratory declines all responsibility for any influence that such information may have on the validity of the results.
- POS: Positive/NEG: Negative: temperature control result of the sample on arrival. If this fails, some results may be affected (e.g. Peroxide Number)
- LOQ = Limit of Quantification, the lowest concentration of an analyte that can be determined with acceptable precision and accuracy.
- N.D. = Not Detectable as lower than the LOD of the test method, the lowest concentration of analyte that can be detected but not necessarily quantified. For Multiresidual Analysis, LOD is conventionally 0,005 mg/kg
- Ue = Expanded uncertainty expressed with the same unit of measurement of the obtained result, calculated using a K factor = 2 to assure a confidence level around 95%.
- R% = Mean Recovery in percentage. Recoveries fall within the range 70-120% and they are not used to correct analytical result on multiresidual test.
- For multiresidual analysis, the item in the Notes is for value lower than LOQ.
- (FL) and a highlighted result indicates a value out the limits. In case of request for a declaration of conformity, if the decision rule is not already contained in the standard or agreed with the Customer, Chimia expresses this declaration by comparing the analytical result with the limit, without taking into account the measurement uncertainty
- (**) Test carried out at another laboratory.
- (1) Reg. Deleg. UE 2022/2104 - IOC Trade standard COI/T.15/NC No 3 - (1a) For values out of the limits (FL) check the Annex I to Reg. 2022/2104, amended by Reg.Del. 2024/1401
- (2) Reg. CEE 835/2011 19/08/2011
- (3) Codex Alimentarius STAN 210-1999 Rev.2019 as amended; (3a) Codex Alimentarius STAN 193-1995 Rev.2019 as amended; (4) NGD ed. 2002
- (5) Reg. UE 2023/915
- (6a) UNI 22064:2020; (6b) UNI 22068:2020; (6c) UNI 22062:2021; (6d) UNI 22063:2021; (6e) UNI 22065:2020; (6f) UNI 22066:2020; (6g) UNI 22067:2021; (6h) UNI 22013:2019;(6i) NGD Ia026:2007; (6L) Customer Technical Sheet: (6m) UNI 11787:2020; (6n) UNI 22012:2019

As for the analysis carried out, the results comply the specifications required for extra virgin olive oil, by Reg. Del. (UE) n.2022/2104 and the IOC Trade Standard COI/T15/NC No.3

Chemist

Dott. Fabio Ciampi