

Anticipo del certificato di analisi 2127125

Monopoli, 12/11/2021

Sample reception 08/11/2021

Analysis starting date 08/11/2021

CUSTOMER
OLIVOTTO S.r.l.s.
Largo Ungaretti, 3A
20020 ARESE MI

Sample description

Sample description: Extra Virgin Olive Oil - " OLIVOTTOIL " - Edition 2022 - Tank 33-BOSCO - Produced by Olivotto srls.

Sampling procedure: By the Customer

Quantity of sample: 250 ml

Return of sample: No

TEST NAME	RESULT	U	U.M.	LOD	LOQ	R %	METHOD	LIMIT VALUE	LEGE ND	FINISHING DATE OF ANALYSIS	SEAT
FREE FATTY ACIDS	0,19	±0,01	% Oleic Acid				21-C	0,80 ⁽¹⁾		10/11/2021	A
PEROXIDE VALUE	4,6	±0,2	meq O2/kg oil				02B2-C	20,0 ⁽¹⁾		10/11/2021	A
SPECTROPHOTOMETRIC INVESTIGATION IN THE ULTRAVIOLET											
K232	2,02	±0,02					10B-C	2,50 ⁽¹⁾		10/11/2021	A
K268	0,162	±0,002					10B-C	0,22 ⁽¹⁾		10/11/2021	A
Delta K	-0,001	±0,002					10B-C	0,01 ⁽¹⁾		10/11/2021	A
ALKYL ESTERS (Fatty Acids Methyl and Ethyl Esters)											
Total methyl esters	4	±1	mg/kg		1		31B-C			10/11/2021	A
Total ethyl esters	1	±1	mg/kg		1		31B-C	35 ⁽¹⁾		10/11/2021	A
Total methyl and ethyl esters	5	±1	mg/kg		1		31B-C			10/11/2021	A
BIOPHENOLS											
Total Polyphenols (as tyrosol)	569	±83	mg/kg		30		26B-C			12/11/2021	A
Hydroxy-tyrosol (3,4 DHPEA)	5		mg/kg		3		26B-C			12/11/2021	A
Tyrosol (p, HPEA)	3		mg/kg		3		26B-C			12/11/2021	A
Dialdehydic form of decarboxymethyl oleuropein aglycon (3,4 DHPEH-EDA)	136		mg/kg		3		26B-C			12/11/2021	A
Dialdehydic form of decarboxymethyl ligstroside aglycon (p, HPEA-EDA)	127		mg/kg		3		26B-C			12/11/2021	A
Lignans	65		mg/kg		3		26B-C			12/11/2021	A
Oleuropein aglycon (3,4 DHPEA-EA)	51		mg/kg		3		26B-C			12/11/2021	A
Ligstroside aglycon (p, HPEA-EA)	15		mg/kg		3		26B-C			12/11/2021	A
TOTAL TOCOPHEROLS (Vitamin E)	461	±83	mg/kg		3		44-C			12/11/2021	A
TOTAL POLYPHENOLIC COMPOUNDS (as Hydroxytyrosol and Tyrosol)	6,52		mg/20 g olio		1		610-CH-1			12/11/2021	A
TOCOPHEROL AND TOCOTRIENOL CONTENT											
Alpha-Tocopherol	458	±68	mg/kg		3		44-C			12/11/2021	A
Beta-tocopherol	4	±1	mg/kg		3		44-C			12/11/2021	A
Gamma-tocopherol	16	±2	mg/kg		3		44-C			12/11/2021	A
Delta-tocopherol	ND		mg/kg		3		44-C			12/11/2021	A
Alpha-Tocotrienol	ND		mg/kg		3		44-C			12/11/2021	A
Beta-tocotrienol	ND		mg/kg		3		44-C			12/11/2021	A
Gamma-tocotrienol	ND		mg/kg		3		44-C			12/11/2021	A
Delta-tocotrienol	ND		mg/kg		3		44-C			12/11/2021	A
TOTAL TOCOPHEROLS	478	±86	mg/kg		3		44-C			12/11/2021	A
Total Tocotrienols	ND		mg/kg		3		44-C			12/11/2021	A
Total Tocopherol+Tocotrienol	478	±86	mg/kg		3		44-C			12/11/2021	A

Continued...

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CONCLUSIONS:

The chemical parameters verified have values complying with International Olive Oil Council Trade Standard COI/T.15/NC No 3/Rev. 16 June 2021 for the product category "Extra Virgin Olive Oil".

References for limits

⁽¹⁾ COI/T.15/NC No 3/Rev. 16 June 2021

Analysis performed at:

A: Via Vecchia Ospedale, 11 - 70043 Monopoli (BA)

Legend

ND: It indicates that the analyte results as "Not Detected" through the analysis performed with the specified method or "<LOD" where it is indicated

U: Expanded uncertainty expressed with the same unit of measurement of the result obtained, calculated using a K factor = 2 for assuring a confidence level around 95% or, for microbiological tests, confidence interval with level of probability around 95%. For microbiological test the result is reported as "estimated" number of micro-organism per milliliter or gram if it is based on count less than 10, but at least 4.

LOD: Limit of Detection, the lowest concentration of analyte that can be detected, but not necessarily quantitated under the stated test conditions.

LOQ: Limit of Quantification, the lowest concentration of an analyte that can be determined with acceptable precision and accuracy under the stated conditions of the test.

R% : Mean Recovery in percentage (this value is not used to amend pesticides and metals analytical results).

En: Revision "N" of the Test Report that identifies the Amendment. This document replaces any previous version of the Test Report.

Methods:

02B2-C = ISO 3960:2017

10B-C = AOCS Ch 5-91:2009

21-C = ISO 660:2020

26B-C = COI/T.20/Doc. n. 29/Rev.1 2017

31B-C = COI/T.20/Doc. n. 28/Rev.2 2017

44-C = ISO 9936:2016

610-CH-1 = UNI 11702:2018

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