

Anticipo del certificato di analisi 2200807

Monopoli, 17/01/2022

Sample reception 13/01/2022

Analysis starting date 13/01/2022

CUSTOMER

**I Giardini di Marzo di Ute Palmisano geb Muller
 Contrada Palmarino, 13
 72021 Francavilla Fontana BR**

Sample description

Label: Natives Olivenol Extra aus biologischer Landwirtschaft 100 % Italienisch - ORO Messapico - Ernte: 2021/22 -
 Mindestens haltbar bis: 7/23 - Lot: E-12-21 - Azienda Agricola Giardini di Marzo, Contrada Palmarino, 13 I-72021
 Francavilla Fontana (BR) - Prodotto e Imbottigliato presso: Il Frantoio D'Amico Pietro, Contrada Tesoro, 25 I-72014
 Cisternino (BR)
 Seal: Sealed original tin
 Sampling procedure: By the Customer
 Quantity of sample: 2x500 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	0,17	±0,01	% Oleic Acid				01-C	0,80 ⁽¹⁾		14/01/2022	A
PEROXIDE VALUE	2,7	±0,1	meq O2/kg oil				02-C	20,0 ⁽¹⁾		14/01/2022	A
SPECTROPHOTOMETRIC INVESTIGATION IN THE ULTRAVIOLET											
K232	1,77	±0,09					10-C	2,50 ⁽¹⁾		14/01/2022	A
K268	0,177	±0,006					10-C	0,22 ⁽¹⁾		14/01/2022	A
Delta K	-0,006	±0,001					10-C	0,01 ⁽¹⁾	11C	14/01/2022	A
ALKYL ESTERS (Fatty Acids Methyl and Ethyl Esters)											
Total methyl esters	3	±1	mg/kg		1		31-C			17/01/2022	A
Total ethyl esters	ND		mg/kg				31-C	35 ⁽¹⁾		17/01/2022	A
Total methyl and ethyl esters	3	±1	mg/kg		1		31-C			17/01/2022	A
BIOPHENOLS											
Total Polyphenols (as tyrosol)	731		mg/kg		30		26-C			17/01/2022	A
Hydroxy-tyrosol (3,4 DHPEA)	3		mg/kg		3		26-C			17/01/2022	A
Tyrosol (p, HPEA)	< 3		mg/kg		3		26-C			17/01/2022	A
Dialdehydic form of decarboxymethyl oleuropein aglycon (3,4 DHPEH-EDA)	144		mg/kg		3		26-C			17/01/2022	A
Dialdehydic form of decarboxymethyl ligstroside aglycon (p, HPEA-EDA)	113		mg/kg		3		26-C			17/01/2022	A
Lignans	77		mg/kg		3		26-C			17/01/2022	A
Oleuropein aglycon (3,4 DHPEA-EA)	51		mg/kg		3		26-C			17/01/2022	A
Ligstroside aglycon (p, HPEA-EA)	15		mg/kg		3		26-C			17/01/2022	A
TOCOPHEROL AND TOCOTRIENOL CONTENT											
Alpha-Tocopherol	351	±52	mg/kg		3		44-C			17/01/2022	A
Beta-tocopherol	3	±1	mg/kg		3		44-C			17/01/2022	A
Gamma-tocopherol	18	±3	mg/kg		3		44-C			17/01/2022	A
Delta-tocopherol	ND		mg/kg		3		44-C			17/01/2022	A
Alpha-Tocotrienol	ND		mg/kg		3		44-C			17/01/2022	A
Beta-tocotrienol	ND		mg/kg		3		44-C			17/01/2022	A
Gamma-tocotrienol	ND		mg/kg		3		44-C			17/01/2022	A
Delta-tocotrienol	ND		mg/kg		3		44-C			17/01/2022	A
TOTAL TOCOPHEROLS	372	±67	mg/kg		3		44-C			17/01/2022	A

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TEST NAME	RESULT	U	U.M.	LOD	LOQ	R %	METHOD	LIMIT VALUE	LEGE ND	FINISHING DATE OF ANALYSIS	SEAT
Total Tocotrienols	ND		mg/kg		3		44-C			17/01/2022	A
Total Tocopherol+Tocotrienol	372	±67	mg/kg		3		44-C			17/01/2022	A

CONCLUSIONS:

The chemical parameters verified have values complying with Attachment 1 of the EC Regulation 2568/91 and subsequent amendments for the product category "Extra Virgin Olive Oil".

References for limits

(1) EEC Reg 2568/1991 11/07/1991 GU CEE L248 05/09/1991, All I as amended by UE Reg 2016/2095 of 26/09/2016 GU L 326 01/12/2016

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

11C = In accordance with the official method, result should be considered as absolute value.

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:

01-C = Reg CEE 2568/1991 11/07/1991 GU CEE L248 05/09/91 Reg UE 1227/2016 GU UE L202 28/07/2016 All II

02-C = Reg CEE 2568/1991 11/07/1991 GU CEE L248 05/09/91 All III Reg UE 1748/2016 del 30/9/2016 GU L273 del 8/10/2016

10-C = Reg CEE 2568/1991 11/07/1991 GU CEE L248 05/09/1991 All IX Reg UE 1833/2015 del 12/10/2015 GU UE L266/29 del 13/10/2015 All III

26-C = NGD C89 - 2010

31-C = Reg CEE 2568/1991 11/07/1991 GU CEE L248 05/09/1991 All XX Reg UE N 61/2011 24/1/2011 GU UE L23 27/1/2011

44-C = ISO 9936:2016

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Food Chemistry Laboratory Supervisor

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