



pH s.r.l. Analisi e Consulenze
Sede legale e Laboratorio Alimenti: Via Sangallo, 29
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LAB N° 0069

TEST REPORT

N° 12L45203

Identification number: 12L45203
Sample description: Olio Extra Vergine - Lotto n° 1
Sampled by: Cliente (§)
Messers: AZ. AGRICOLA LE CINQUE AQUILE DI DEI LORENA
VIA LUCIGNANO, 26
MONTEPERTOLI 50025 FI
Arrival date: 05/11/2012

(§)The Laboratory is not responsible for sampling modalities.

RESULTS

Determination	Results	u.m.	Methods	Start	End
Free acidity (as Oleic Acid)	0.13	%	Reg CEE 2568/1991 11/07/1991 GU CEE L248 05/09/1991 All II Reg CE 702/2007 21/06/2007 GU CE L161 22/06/2007 All I	06/11	07/11
Peroxide value	2.8	meq O2/Kg	Reg CEE 2568/1991 11/07/1991 GU CEE L248 05/09/1991 All III	06/11	07/11
UV Spectrophotometric Analysis			Reg CEE 2568/1991 11/07/1991 GU CEE L248 05/09/1991 All IX Reg CEE 183/1993 29/01/1993 GU CEE L22 30/01/1993		
K232	1.306	AU/(g/100ml)		06/11	07/11
K270	0.140	AU/(g/100ml)		06/11	07/11
Delta K	-0.003			06/11	07/11
Diglycerides			* MP/C/476		
Total Diglycerides	1.6	%	* MP/C/476	06/11	13/11
Acidity/Diglycerides	0.08		* Calcolo	06/11	13/11
1,2-Dyglicerides/ 1,3-Diglycerides	10.79		* MP/C/476	06/11	13/11
1,2-Diglycerides / Total Dyglicerides	91.52	%	* MP/C/476	06/11	13/11
1,3-Diglycerides / Total Diglycerides	8.48	%	* MP/C/476	06/11	13/11
Total polyphenols (as gallic acid)	169	mg/Kg	MP/C/01 rev 8 2011	06/11	12/11
FATTY ACIDS: GC analysis			Reg CEE 796/2002 06/05/2002 All XB + Reg CEE 2568/1991 GU CEE L248 05/09/1991 All XA Reg CEE 1429/1992 26/05/1992		
Palmitic acid (C16)	13.72	%		06/11	09/11
Palmitoleic acid (C16:1)	0.98	%		06/11	09/11
Eptadecanoic acid (C17)	0.04	%		06/11	09/11
Eptadecenoic acid (C17:1)	0.08	%		06/11	09/11
Stearic acid (C18)	1.84	%		06/11	09/11
Oleic acid (C18:1)	74.85	%		06/11	09/11
Linoleic acid (C18:2)	6.82	%		06/11	09/11

pH srl è iscritta al numero 013 dell'elenco regionale dei laboratori che effettuano analisi nell'ambito delle procedure di autocontrollo delle industrie alimentari (L.R. Toscana n°9 09/03/2006).
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L'ENTE ITALIANO DI ACCREDITAMENTO

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Determination	Results	u.m.	Methods	Start	End
Linolenic acid (C18:3)	0.78	%		06/11	09/11
Arachidic acid (C20)	0.33	%		06/11	09/11
Eicosenoic acid (C20:1)	0.29	%		06/11	09/11
Behenic acid (C22)	0.10	%		06/11	09/11
Stigmastadieni	0.04	mg/Kg	Reg CEE 2568/1991 11/07/1991 GU CEE L248 05/09/1991 All XVII reg CE 656/1995 28/03/1995 GU CE L069 29/03/1995	06/11	16/11
Waxes	86	mg/Kg	Reg CEE 2568/1991 11/07/1991 GU CEE L248 05/09/1991 All IV Reg CEE 183/1993 29/01/1993 Reg CE 177/1994 28/01/1994 Reg CE 702/2007 21/06/2007 All IV	06/11	09/11
Delta ECN (ECN 42-ECN 42 teorico)	0.05		* Reg CEE 2568/1991 11/07/1991 GU CEE L248 05/09/1991 All XVIII + succ mod	06/11	12/11
STEROLS			Reg CEE 2568/1991 11/07/1991 GU CEE L248 05/09/1991 All V Reg CEE 183/1993 29/01/1993 GU CEE L22 31/01/1993		
Cholesterol	0.47	%		06/11	12/11
24-Methyl-Cholesterol	0.18	%		06/11	12/11
Campesterol	2.88	%		06/11	12/11
Campestanol	0.49	%		06/11	12/11
Stigmasterol	0.44	%		06/11	12/11
Beta-Sitosterol	93.98	%		06/11	12/11
Clerosterol	0.93	%		06/11	12/11
Beta-Sitosterol	81.16	%		06/11	12/11
Sitostanol	3.14	%		06/11	12/11
Delta-5-Avenasterol	4.44	%		06/11	12/11
Delta5,24-Stigmastadienol	0.24	%		06/11	12/11
Delta-7-Stigmastenol	0.47	%		06/11	12/11
Delta-7-Avenasterol	0.20	%		06/11	12/11
Total Sterols	1124	mg/Kg	Reg CEE 2568/1991 11/07/1991 GU CEE L248 05/09/1991 All V Reg CEE 183/1993 29/01/1993 GU CEE L22 31/01/1993	06/11	12/11

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The reported results only refer to the tested sample. (*=not accredited method)
Sample conditions at the arrival are recorded in the laboratory managing system.
The tested samples, with the exception of those subject to deterioration, are stored within 30 days since the emission of the Test Report.

Date, 16/11/2012



The Laboratory Manager
Dott. Patrizio Nuti