



INSTITUTE OF OLIVE TREE, SUBTROPICAL PLANTS AND VITICULTURE
LABORATORY OF OLIVE OIL ANALYSIS OF MYTILENE
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Date: 02-03-2018

Number of Document: 738/9324_675

ANALYSIS REPORT

To:	<u>KATZOURIDIS D. – FOTIOU I. GP</u> Aer. Giannarelli 95, Mytilene, Lesvos Island, Greece Tel. +30 2251771774 Email: info@aeolion.gr
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Sample Shipment by:	Katzouridis D. – Fotiou I.
Number of Document Delivery:	738/9324_26-02-2018
Sampling procedure and date of sampling:	By the customer, 26-02-2018
Date of receipt:	26-02-2018
Sample Code:	675
Sample Identity according to customer' s declaration:	Organic Extra Virgin Olive Oil
Sample Description / Packaging / Indications on packaging:	Dark, glass, sealed bottle of 250ml with the indication «ORGANIC»
Sample Condition:	Normal
Date of analysis (from-to):	26-02-2018 to 02-03-2018

The samples were subjected to the following analysis and obtained the following results:

Kind of Analysis	RESULT		Value Limits (Declared class according to European Union Regulation 2568/91)	Method of Analysis
	Value	Units		
Acidity	0,35	%	≤ 0,8	European Union Reg. 2568/91, Annex II
Peroxide value	5,97	meq O ₂ /kg	≤ 20	European Union Reg. 2568/91, Annex III
K ₂₃₂ , (Absorbance Factor for λ=232 nm)	1,64	-	≤ 2,50	European Union Reg. 2568/91, Annex IX
K ₂₆₈ , (Absorbance Factor for λ=268 nm, equal to K ₂₇₀ with cyclohexane)	0,11	-	≤ 0,22	European Union Reg. 2568/91, Annex IX
ΔK (Deviation of absorbance Factor)	0,003	-	≤ 0,01	European Union Reg. 2568/91, Annex IX

- The analytical results hereby reported are referred only to the analyzed samples.
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Kind of Analysis	RESULT		Reporting Limit	Method of Analysis
	Value	Units		
PESTICIDE RESIDUES				
Omethoate	< R.L.	mg/kg	0,01	Ch. Lentza Rizos J.C.A912, 921 (2001), GC/FPD-NPD, GC-ECD
Dimethoate	< R.L.	mg/kg	0,01	
Diazinon	< R.L.	mg/kg	0,01	
Parathion methyl	< R.L.	mg/kg	0,01	
Dieldrin	< R.L.	mg/kg	0,01	
Clorpyrifos methyl	< R.L.	mg/kg	0,01	
Malaoxon	< R.L.	mg/kg	0,02	
Fenitrothion	< R.L.	mg/kg	0,01	
Pirimifosmethyl	< R.L.	mg/kg	0,01	
Malathion	< R.L.	mg/kg	0,01	
Parathion ethyl	< R.L.	mg/kg	0,01	
Fenthion oxon	< R.L.	mg/kg	0,01	
Fenthion	< R.L.	mg/kg	0,01	
Fenthion Sulfoxide	< R.L.	mg/kg	0,01	
Fenthion Sulfone	< R.L.	mg/kg	0,01	
Fenthion Oxon Sulfoxide	< R.L.	mg/kg	0,02	
Fenthion Oxon Sulfone	< R.L.	mg/kg	0,02	
Chlorpyrifos	< R.L.	mg/kg	0,01	
Methidathion	< R.L.	mg/kg	0,01	
Ethion	< R.L.	mg/kg	0,01	
Accephate	< R.L.	mg/kg	0,02	
Phorate	< R.L.	mg/kg	0,02	
Monocrotophos	< R.L.	mg/kg	0,01	
Phosphamidon	< R.L.	mg/kg	0,02	
Paraoxon methyl	< R.L.	mg/kg	0,01	
Paraoxon ethyl	< R.L.	mg/kg	0,01	
Bromophos methyl	< R.L.	mg/kg	0,01	
Bromophos ethyl	< R.L.	mg/kg	0,01	
Pirimiphos ethyl	< R.L.	mg/kg	0,02	
Trifluralin	< R.L.	mg/kg	0,02	

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Kind of Analysis	RESULT		Reporting Limit	Method of Analysis
	Value	Units		
α -Endosulfan	< R.L.	mg/kg	0,01	Ch. Lentza Rizos J.C.A912, 921 (2001), GC/FPD- NPD, GC-ECD
β -Endosulfan	< R.L.	mg/kg	0,01	
Endosulfan sulfate	< R.L.	mg/kg	0,01	
λ - cyhalothrin	< R.L.	mg/kg	0,02	
Cypermethrin	< R.L.	mg/kg	0,02	
Beta cyfluthrin	< R.L.	mg/kg	0,01	
Fenvalerate	< R.L.	mg/kg	0,02	
Permethrin	< R.L.	mg/kg	0,02	
Deltamethrin	< R.L.	mg/kg	0,02	
Tefluthrin	< R.L.	mg/kg	0,02	
Aldrin	< R.L.	mg/kg	0,01	
α - cypermethrin	< R.L.	mg/kg	0,01	

Comments:

- The sample is classified, with regard to chemical analysis, in the category of **extra virgin olive oil** according to Annex I of R(EU)No.2568/91.
- < R.L. means that the concentration of the compound is below the reporting limit.

The Analyst**The Head of the Laboratory**

E. Kouzoumi

Kouzoumi Efstratia

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