

**World Olive Center for Health**

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**Athens: 16/12/2022****Cert. Num: C2223-00511****CERTIFICATE OF ANALYSIS**

**Brand Name:** EXTRA VIRGIN OLIVE OIL  
**Owner:** VOLIOTIS FAMILY  
**Variety:** PELIOU  
**Origin:** ANO LECHONIA MAGNESSIA GREECE  
**Harvesting Period:**  
**Oil Mill:** VOLIOTIS FAMILY

**Analysis Date: 15/12/2022****Production Date:****Chemical Analysis**

Oleocanthal	87	mg/Kg
Oleacein	108	mg/Kg
Oleocanthal+Oleacein (index D1)	196	mg/Kg
Ligstroside aglycon (monoaldehyde form)	9	mg/Kg
Oleuropein aglycon (monoaldehyde form)	24	mg/Kg
Ligstroside aglycon (dialdehyde form)*	30	mg/Kg
Oleuropein aglycon (dialdehyde form)**	26	mg/Kg
Free Tyrosol	<5	mg/Kg
Total tyrosol derivatives	126	mg/Kg
Total hydroxytyrosol derivatives	159	mg/Kg
Total polyphenols analyzed	285	mg/Kg

**Comments:**

The levels of oleacein are higher than the average values (105 mg/Kg) of the sample included in the international study performed at the University of California, Davis.

The daily consumption of 20 g of the analyzed olive oil provides 5,7mg of hydroxytyrosol, tyrosol or their derivatives.

Olive oils that contain >5 mg per 20 gr belong to the category of oils that protect the blood lipids from oxidative stress according to the Regulation 432/2012 of the European Union.

It should be noted that oleocanthal and oleacein present important biological activity and they have been related with anti-inflammatory, antioxidant, cardioprotective and neuroprotective activity.

The chemical analysis was performed at the National and Kapodistrian University of Athens according to the method that has been submitted to EFET and published in J. Agric. Food Chem. 2012, 60, 11696, J. Agric. Food Chem. 2014, 62, 600 & Molecules 2020, 25, 2449.

The results relate to the analyzed sample.

\*Oleomissional+Oleuropeindial \*\*Ligstrodiol+Oleokoronal

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