

**World Olive Center for Health**

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Athens: 16/11/2025

Cert. Num: C2526-00297

**CERTIFICATE OF ANALYSIS**

**Brand Name:** Organic Extra Virgin  
**Owner:** VOLIOTIS FAMILY Inc.  
**Variety:** AMFISSIS/PELIOU  
**Origin:**  
**Harvesting Period:** SEPTEMBER - OCTOBER 2025  
**Oil Mill:** VOLIOTIS FAMILY Inc.

**Analysis Date:****Production Date:****Chemical Analysis**

Acidity: 0.30(<0.8)	
Peroxides: 8.00 meqO <sub>2</sub> /Kg (<20)	
K232: 1.891 (<2.5), K270: 0.139 (<0.22), ΔK: -0.0010	
Oleocanthal	148 mg/Kg
Oleacein	93 mg/Kg
Oleocanthal+Oleacein (index D1)	241 mg/Kg
Ligstroside aglycon (monoaldehyde form)	21 mg/Kg
Oleuropein aglycon (monoaldehyde form)	29 mg/Kg
Ligstroside aglycon (dialdehyde form)*	51 mg/Kg
Oleuropein aglycon (dialdehyde form)**	5 mg/Kg
Free Tyrosol	10 mg/Kg
Total tyrosol derivatives	230 mg/Kg
Total hydroxytyrosol derivatives	126 mg/Kg
Total polyphenols analyzed	356 mg/Kg

**Comments:**

The levels of oleocanthal are higher than the average values (135 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 7,13mg 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.

\*Ligstrodiol+Oleokoronol \*\*Oleomissional+Oleuropeindial

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