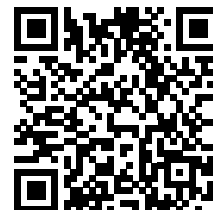


**World Olive Center for Health**

76 Imittou St. 5th floor
11634, Pagkrati, Athens
Tel: 2107525134
info@worldolivecenter.com

**Athens:** 01/12/2025**Cert. Num:** C2526-00380**CERTIFICATE OF ANALYSIS**

Brand Name: KOUROS OF ZEUS
Owner: CHRISTAKOS EYTHIMIOS
Variety: KALAMON
Origin: KROKEES LAKONIA
Harvesting Period: OCTOBER 2025
Oil Mill: PREVAS

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

Acidity: 0.14(<0.8)	
Peroxides: 7.40 meqO2/Kg (<20)	
K232: 2.046 (<2.5), K270: 0.163 (<0.22), ΔK: -0.0030	
Oleocanthal	649 mg/Kg
Oleacein	69 mg/Kg
Oleocanthal+Oleacein (index D1)	718 mg/Kg
Ligstroside aglycon (monoaldehyde form)	32 mg/Kg
Oleuropein aglycon (monoaldehyde form)	17 mg/Kg
Ligstroside aglycon (dialdehyde form)*	53 mg/Kg
Oleuropein aglycon (dialdehyde form)**	5 mg/Kg
Free Tyrosol	10 mg/Kg
Total tyrosol derivatives	745 mg/Kg
Total hydroxytyrosol derivatives	90 mg/Kg
Total polyphenols analyzed	835 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 16,7mg 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.

*Ligstrodiol+Oleokoronol **Oleomissional+Oleuropeindiol

Magiatis Prokopios

PROKOPIOS MAGIATIS
ASSOCIATE PROFESSOR
UNIVERSITY OF ATHENS
FACULTY OF PHARMACY
DEPARTMENT OF PHARMACOGNOSY
AND NATURAL PRODUCTS CHEMISTRY