

**World Olive Center for Health**

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

Athens: 16/03/2026**Cert. Num: C2526-00848****CERTIFICATE OF ANALYSIS**

Brand Name: CRETA ELEON
Owner: PSAROUDAKIS OLIVE OIL S.A.
Variety: KORONEIKI
Origin: CHANIA
Harvesting Period: 2025-2026
Oil Mill:

Analysis Date: 26/02/2026**Production Date: 27/11/2025****Chemical Analysis**

Acidity: 0.29(<0.8)	
Peroxides: 12.40 meqO ₂ /Kg (<20)	
K232: 2.006 (<2.5), K270: 0.138 (<0.22), ΔK: -0.0030	
Oleocanthal	165 mg/Kg
Oleacein	83 mg/Kg
Oleocanthal+Oleacein (index D1)	247 mg/Kg
Ligstroside aglycon (monoaldehyde form)	62 mg/Kg
Oleuropein aglycon (monoaldehyde form)	75 mg/Kg
Ligstroside aglycon (dialdehyde form)*	163 mg/Kg
Oleuropein aglycon (dialdehyde form)**	48 mg/Kg
Free Tyrosol	<5 mg/Kg
Total tyrosol derivatives	390 mg/Kg
Total hydroxytyrosol derivatives	206 mg/Kg
Total polyphenols analyzed	596 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 11,92mg 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

Magiatis Prokopios

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