

**World Olive Center for Health**

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Athens: 04/04/2025**Cert. Num: C2425-00401****CERTIFICATE OF ANALYSIS**

Brand Name: ASOPITON ORGANIC
Owner: GEORGIOS IATROPOULOS
Variety: KORONEIKI
Origin: ASOPOS LACONIA GREECE
Harvesting Period: 2024
Oil Mill:

Analysis Date: 05/12/2024**Production Date:****Chemical Analysis**

Oleocanthal	82	mg/Kg
Oleacein	78	mg/Kg
Oleocanthal+Oleacein (index D1)	160	mg/Kg
Ligstroside aglycon (monoaldehyde form)	21	mg/Kg
Oleuropein aglycon (monoaldehyde form)	29	mg/Kg
Ligstroside aglycon (dialdehyde form)*	153	mg/Kg
Oleuropein aglycon (dialdehyde form)**	165	mg/Kg
Free Tyrosol	14	mg/Kg
Total tyrosol derivatives	270	mg/Kg
Total hydroxytyrosol derivatives	272	mg/Kg
Total polyphenols analyzed	541	mg/Kg

Comments:

The daily consumption of 20 g of the analyzed olive oil provides 10,83mg 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.

*Ligstrodial+Oleokoronol **Oleomissional+Oleuropeindial

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