



World Olive Center for Health

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Athens: 16/12/2024

Cert. Num: C2425-00461

CERTIFICATE OF ANALYSIS

Brand Name: KAVALARIA ESTATE PATHOS EVOO-9
Owner: SARIDAKIS GEORGIOS
Variety: KORONEIKI
Origin: KORFES HERAKLION CRETE
Harvesting Period: 2024
Oil Mill:

Analysis Date: 12/12/2024

Production Date:

Chemical Analysis

Oleocanthal	69	mg/Kg
Oleacein	50	mg/Kg
Oleocanthal+Oleacein (index D1)	119	mg/Kg
Ligstroside aglycon (monoaldehyde form)	39	mg/Kg
Oleuropein aglycon (monoaldehyde form)	85	mg/Kg
Ligstroside aglycon (dialdehyde form)*	365	mg/Kg
Oleuropein aglycon (dialdehyde form)**	263	mg/Kg
Free Tyrosol	20	mg/Kg
Total tyrosol derivatives	493	mg/Kg
Total hydroxytyrosol derivatives	398	mg/Kg
Total polyphenols analyzed	891	mg/Kg

Comments:

The daily consumption of 20 g of the analyzed olive oil provides 17,82mg 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 **Ligstrodial+Oleokoronal

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