



World Olive Center for Health

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Athens: 21/10/2024

Cert. Num: C2425-00106

CERTIFICATE OF ANALYSIS

Brand Name: OLIVE POEM GOLD
Owner: KOUTSOTHEODORIS THEODOROS
Variety: KORONEIKI
Origin: VRODAMAS LACONIA GREECE
Harvesting Period: OCTOBER 2024
Oil Mill:

Analysis Date: 18/10/2024

Production Date:

Chemical Analysis

Oleocanthal	778	mg/Kg
Oleacein	409	mg/Kg
Oleocanthal+Oleacein (index D1)	1.187	mg/Kg
Ligstroside aglycon (monoaldehyde form)	53	mg/Kg
Oleuropein aglycon (monoaldehyde form)	46	mg/Kg
Ligstroside aglycon (dialdehyde form)*	477	mg/Kg
Oleuropein aglycon (dialdehyde form)**	280	mg/Kg
Free Tyrosol	30	mg/Kg
Total tyrosol derivatives	1.337	mg/Kg
Total hydroxytyrosol derivatives	735	mg/Kg
Total polyphenols analyzed	2.072	mg/Kg

Comments:

The levels of oleocanthal and oleacein are higher than the average values (135 and 105 mg/Kg respectively) of the samples included in the international study performed at the University of California, Davis.

The daily consumption of 20 g of the analyzed olive oil provides 41,44mg 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 **Ligstrodiol+Oleokoronol

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