2122-C00282

World Olive Center for Health

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Athens: **15/11/2021**
Cert. Num: **2122-C00282**

CERTIFICATE OF ANALYSIS

Brand Name: Drop of Life Organic
Owner: THE GREEK OLIVE ESTATE
Variety: OLYMPIA
Origin: ARKADIA GREECE
Harvesting Period: October - November 2021
Oil Press:

Analysis Date: 12/11/2021
Production Date:

Chemical Analysis

Oleocanthal	270	mg/Kg
Oleacein	129	mg/Kg
Oleocanthal+Oleacein (index D1)	399	mg/Kg
Ligstroside aglycon (monoaldehyde form)	86	mg/Kg
Oleuropein aglycon (monoaldehyde form)	87	mg/Kg
Ligstroside aglycon (dialdehyde form)*	470	mg/Kg
Oleuropein aglycon (dialdehyde form)**	246	mg/Kg
Free Tyrosol	<5	mg/Kg
Total tyrosol derivatives	826	mg/Kg
Totalhydroxytyrosol derivatives	462	mg/Kg
Total polyphenols analyzed	1.287	mg/Kg

Comments:

The levels of oleocanthal and oleacein are higher than the average values (135 and 105 mg/Kg respectively) 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 25,75mg 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 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, 600-607 & Molecules, 2020, 25, 2449. *Oleomissional+Oleuropeindial **Ligstrodial+Oleokoronal

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