

**World Olive Center for Health**

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**Athens: 09/12/2024****Cert. Num: C2425-00408****CERTIFICATE OF ANALYSIS**

Brand Name: CORFOLIA
Owner: MARITSAS STAMATIOS
Variety: LIANOLIA
Origin: NYMFES CORFU GREECE
Harvesting Period: NOVEMBER 2024
Oil Mill: BANOS MICHAEL

Analysis Date: 06/12/2024**Production Date: 22/11/2024****Chemical Analysis**

Oleocanthal	277	mg/Kg
Oleacein	221	mg/Kg
Oleocanthal+Oleacein (index D1)	498	mg/Kg
Ligstroside aglycon (monoaldehyde form)	25	mg/Kg
Oleuropein aglycon (monoaldehyde form)	24	mg/Kg
Ligstroside aglycon (dialdehyde form)*	28	mg/Kg
Oleuropein aglycon (dialdehyde form)**	<5	mg/Kg
Free Tyrosol	18	mg/Kg
Total tyrosol derivatives	348	mg/Kg
Total hydroxytyrosol derivatives	245	mg/Kg
Total polyphenols analyzed	593	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 11,86mg 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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