

**World Olive Center for Health**

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Athens: 10/03/2022**Cert. Num: C2122-00775****CERTIFICATE OF ANALYSIS**

Brand Name: DIVINE MOUNT OLYMPUS PREMIUM EXTRA VIRGIN OLIVE OIL **Analysis Date:** 10/03/2022
Owner: NATURE BLESSED P C
Variety: CHALKIDIKIS-MEGARITIKI
Origin: IMERA KOZANH GREECE
Harvesting Period: November 2021 **Production Date:**
Oil Mill: AGRICULTURAL OLIVE COOPERATIVE OF IMERA

Chemical Analysis

Acidity: 0,13(<0,8)	
Peroxides: 6,20 meqO2/Kg (<20)	
K232: 1,866 (<2,5), K270: 0,151 (<0,22), ΔK: -0,0050	
Oleocanthal	239 mg/Kg
Oleacein	122 mg/Kg
Oleocanthal+Oleacein (index D1)	361 mg/Kg
Ligstroside aglycon (monoaldehyde form)	51 mg/Kg
Oleuropein aglycon (monoaldehyde form)	56 mg/Kg
Ligstroside aglycon (dialdehyde form)*	293 mg/Kg
Oleuropein aglycon (dialdehyde form)**	92 mg/Kg
Free Tyrosol	<5 mg/Kg
Total tyrosol derivatives	583 mg/Kg
Total hydroxytyrosol derivatives	270 mg/Kg
Total polyphenols analyzed	852 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 17,05mg 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, 600-607. & Molecules, 2020, 25, 2449.

The results relate to the analyzed sample.

*Oleomissional+Oleuropeindial **Ligstrodiol+Oleokoronol

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