



World Olive Center for Health

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Athens: 27/01/2025

Cert. Num: C2425-00514

CERTIFICATE OF ANALYSIS

Brand Name: Tropicual Vega
Owner: Tropicual
Variety: PICUAL
Origin: SPAIN
Harvesting Period: NOVEMBER 2024
Oil Mill:

Analysis Date: 30/12/2024

Production Date:

Chemical Analysis

Oleocanthal	49	mg/Kg
Oleacein	43	mg/Kg
Oleocanthal+Oleacein (index D1)	93	mg/Kg
Ligstroside aglycon (monoaldehyde form)	25	mg/Kg
Oleuropein aglycon (monoaldehyde form)	53	mg/Kg
Ligstroside aglycon (dialdehyde form)*	330	mg/Kg
Oleuropein aglycon (dialdehyde form)**	355	mg/Kg
Free Tyrosol	18	mg/Kg
Total tyrosol derivatives	423	mg/Kg
Total hydroxytyrosol derivatives	452	mg/Kg
Total polyphenols analyzed	875	mg/Kg

Comments:

The daily consumption of 20 g of the analyzed olive oil provides 17,5mg 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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