

**World Olive Center for Health**

76 Imittou St. 5th floor
11634, Pagkrati, Athens
Tel: 2107010131
info@worldolivecenter.com

**Athens: 04/12/2024****Cert. Num: C2425-00374****CERTIFICATE OF ANALYSIS**

Brand Name: DONIKA OLIVE OIL
Owner: E. Danaj and B. Danaj
Variety: Kalinjot
Origin: VLORE, ALBANIA
Harvesting Period: 2024
Oil Mill:

Analysis Date: 29/11/2024**Production Date:****Chemical Analysis**

| | |
|--|-----------|
| Acidity: 0,14(<0,8) | |
| Peroxides: 6,20 meqO2/Kg (<20) | |
| K232: 1,775 (<2,5), K270: 0,132 (<0,22), ΔK: -0,0010 | |
| Oleocanthal | 74 mg/Kg |
| Oleacein | 76 mg/Kg |
| Oleocanthal+Oleacein (index D1) | 150 mg/Kg |
| Ligstroside aglycon (monoaldehyde form) | 44 mg/Kg |
| Oleuropein aglycon (monoaldehyde form) | 100 mg/Kg |
| Ligstroside aglycon (dialdehyde form)* | 237 mg/Kg |
| Oleuropein aglycon (dialdehyde form)** | 197 mg/Kg |
| Free Tyrosol | 20 mg/Kg |
| Total tyrosol derivatives | 375 mg/Kg |
| Total hydroxytyrosol derivatives | 372 mg/Kg |
| Total polyphenols analyzed | 747 mg/Kg |

Comments:

The daily consumption of 20 g of the analyzed olive oil provides 14,95mg 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

Magiatis Prokopios

PROKOPIOS MAGIATIS
ASSOCIATE PROFESSOR
UNIVERSITY OF ATHENS
FACULTY OF PHARMACY
DEPARTMENT OF PHARMACOGNOSY
AND NATURAL PRODUCTS CHEMISTRY