

**World Olive Center for Health**

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

Athens: 21/12/2022**Cert. Num: C2223-00492****CERTIFICATE OF ANALYSIS****Brand Name:****Owner:** HOLISTON**Variety:** KORONEIKI**Origin:** RHODES DODEKANISSA GREECE**Harvesting Period:****Oil Mill:****Analysis Date:** 14/12/2022**Production Date:****Chemical Analysis**

Oleocanthal	175	mg/Kg
Oleacein	189	mg/Kg
Oleocanthal+Oleacein (index D1)	363	mg/Kg
Ligstroside aglycon (monoaldehyde form)	44	mg/Kg
Oleuropein aglycon (monoaldehyde form)	85	mg/Kg
Ligstroside aglycon (dialdehyde form)*	188	mg/Kg
Oleuropein aglycon (dialdehyde form)**	173	mg/Kg
Free Tyrosol	<5	mg/Kg
Total tyrosol derivatives	407	mg/Kg
Total hydroxytyrosol derivatives	446	mg/Kg
Total polyphenols analyzed	853	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 17,06mg 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

Magiatis Prokopios

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