



World Olive Center for Health

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

24/11/2022 Athens:

Cert. Num: C2223-00350

Production Date:

23/11/2022

CERTIFICATE OF ANALYSIS

PAMAKO BLEND **Brand Name: Analysis Date:**

Owner: ANDROULAKIS EFTYCHIOS

TSOUNATI-KORONEIKI Variety: AGRIILES CHANIA GREECE

Origin:

Harvesting Period: October 2022

Oil Mill: **ANDROULAKIS EFTYCHIOS**

Chemical Analysis

Oleocantha		231	mg/Kg
Oleacein		194	mg/Kg
Oleocantha	l+Oleacein (index D1)	424	mg/Kg
Ligstroside	aglycon (monoaldehyde form)	90	mg/Kg
Oleuropein	aglycon (monoaldehyde form)	177	mg/Kg
Ligstroside	aglycon (dialdehyde form)*	542	mg/Kg
Oleuropein	aglycon (dialdehyde form)**	282	mg/Kg
Free Tyroso	ol .	<5	mg/Kg
Total tyroso	I derivatives FOR HEALTH	863	mg/Kg
Total hydroxytyrosol derivatives		653	mg/Kg
Total polyphenols analyzed		1.516	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 30,33mg of hydroxytyrosol, tyrosol or their

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 ASSOCI PHARMACY HARMACOGNOS DEPARTMENT AND NATUR