



World Olive Center for Health

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



Athens: 27/01/2025

Cert. Num: C2425-00517

CERTIFICATE OF ANALYSIS

Brand Name: LACONIKO KORONEIKI

Owner: LACONIKO

Variety: KORONEIKI

Origin:

Harvesting Period: NOVEMBER 2024

Oil Mill:

Analysis Date: 30/12/2024

Production Date:

Chemical Analysis

Oleocanthal	227	mg/Kg
Oleacein	101	mg/Kg
Oleocanthal+Oleacein (index D1)	329	mg/Kg
Ligstroside aglycon (monoaldehyde form)	30	mg/Kg
Oleuropein aglycon (monoaldehyde form)	44	mg/Kg
Ligstroside aglycon (dialdehyde form)*	69	mg/Kg
Oleuropein aglycon (dialdehyde form)**	48	mg/Kg
Free Tyrosol	18	mg/Kg
Total tyrosol derivatives	345	mg/Kg
Total hydroxytyrosol derivatives	193	mg/Kg
Total polyphenols analyzed	538	mg/Kg

Comments:

The levels of oleocanthal are higher than the average values (135 mg/Kg) of the sample included in the international study performed at the University of California, Davis.

The daily consumption of 20 g of the analyzed olive oil provides 10,77mg 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



ΑΝΑΛΥΣΕΙΣ ΑΓΡΟΤΙΚΟΥ ΤΟΜΕΑ

ΦΥΛΛΟΔΙΑΓΝΩΣΤΙΚΕΣ
ΕΔΑΦΟΛΟΓΙΚΕΣ
ΕΛΑΙΟΛΑΔΟΥ
ΚΑΡΠΩΝ
ΝΗΜΑΤΩΔΕΙΣ

ΑΝΑΛΥΣΕΙΣ ΥΔΑΤΟΣ, ΠΕΡΙΒΑΛΛΟΝΤΟΣ

ΠΟΣΙΜΑ ΝΕΡΑ
ΓΕΩΤΡΗΣΕΩΝ
ΔΙΚΤΥΩΝ ΥΔΡΕΥΣΗΣ
ΑΡΔΕΥΤΙΚΑ ΝΕΡΑ
ΥΔΡΟΠΟΝΙΚΕΣ ΚΑΛΛΙΕΡΓΙΕΣ
ΒΙΟΛΟΓΙΚΟΙ ΚΑΘΑΡΙΣΜΟΙ

ΑΓΙΟΣ ΓΕΩΡΓΙΟΣ, ΣΚΑΛΑ ΛΑΚΩΝΙΑΣ ΤΗΛ: 27350-23871 EMAIL : INFO@ENVIROLABS.GR
ΥΠΕΥΘΥΝΟΣ ΓΕΩΠΟΝΟΣ : ΓΙΑΝΝΙΟΣ.Δ.ΚΩΝΣΤΑΝΤΙΝΟΣ

www.envirolabs.gr

The present certificate can be reproduced as it is and not as a part without the laboratory agreement. Samples are stored for 1 month from the mentioned date of analysis in a specific place of humidity , temperature , light.

START OF CERTIFICATE ANALYSIS

CHEMICAL ANALYSIS.

S.C : -4-42-24
I.D: LACONIKO PIERRAKOS DIAMANTIS
Sample labeling : LACONIKO SAMPLE 2
ADDRESS : SKALA LAKONIAS GREECE
Date of issue : 3/12/2024
Incoming Date : 2/12/2024
Sample taken from: Owner
Bottle of : PET 0.25 lt.
Oil analysis for:

	SAMPLE RESULT	LIMITS (1)	MEASUREMENT UNITS
Acidity (%as oleicacid)	0,13	M 0,80	% g/100gr
K 270	0,153	M0,220	-
K 232	1,357	M 2,500	-
D.K	-0.005	M 0,010	-
Peroxide value	3,90	M 20,00	Meq O ₂ /Kg

END OF CERTIFICATE ANALYSIS

~~ΓΙΑΝΝΙΟΣ Δ. ΚΩΝΣΤΑΝΤΙΝΟΣ
ΕΡΓΑΣΤΗΡΙΟ ΕΦΑΡΜΟΣΜΕΝΗΣ
ΓΕΩΡΓΙΚΗΣ ΕΡΕΥΝΑΣ
ΑΡ. ΑΔΕΙΑΣ: 14591
ΑΦΜ: 032627964 ΔΟΥ ΣΚΑΛΑΣ
ΑΓ. ΓΕΩΡΓΙΟΣ ΣΚΑΛΑΣ - ΛΑΚΩΝΙΑΣ
ΤΗΛ: 27350 - 23871
ENVIROLABS~~