



World Olive Center for Health

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Athens: 09/10/2025

Cert. Num: C2526-00087

CERTIFICATE OF ANALYSIS

Brand Name: KALI ORGANIC TOSCANO BLEND

Analysis Date: 09/10/2025

Owner: Kreta24 sp. z o.o.

Variety:

Origin:

Harvesting Period: OCTOBER 2025

Production Date:

Oil Mill:

Chemical Analysis

Oleocanthal	242	mg/Kg
Oleacein	288	mg/Kg
Oleocanthal+Oleacein (index D1)	530	mg/Kg
Ligstroside aglycon (monoaldehyde form)	28	mg/Kg
Oleuropein aglycon (monoaldehyde form)	51	mg/Kg
Ligstroside aglycon (dialdehyde form)*	125	mg/Kg
Oleuropein aglycon (dialdehyde form)**	97	mg/Kg
Free Tyrosol	<5	mg/Kg
Total tyrosol derivatives	395	mg/Kg
Total hydroxytyrosol derivatives	436	mg/Kg
Total polyphenols analyzed	831	mg/Kg

Chemical Analysis by HPLC

Total polyphenols expressed as tyrosol equivalents by HPLC method = 631 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 16,61mg 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.

*Ligstrodiol+Oleokoronal **Oleomissional+Oleuropeindial

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