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Athens: **27/01/2025**

Cert. Num: **C2425-00515**

CERTIFICATE OF ANALYSIS

Brand Name: Tropicual Royal
Owner: Tropicual
Variety: ROYAL
Origin: SPAIN
Harvesting Period: NOVEMBER 2024
Oil Mill:

Analysis Date: 30/12/2024

Production Date:

Chemical Analysis

Oleocanthal	61	mg/Kg
Oleacein	52	mg/Kg
Oleocanthal+Oleacein (index D1)	113	mg/Kg
Ligstroside aglycon (monoaldehyde form)	14	mg/Kg
Oleuropein aglycon (monoaldehyde form)	24	mg/Kg
Ligstroside aglycon (dialdehyde form)*	62	mg/Kg
Oleuropein aglycon (dialdehyde form)**	63	mg/Kg
Free Tyrosol	14	mg/Kg
Total tyrosol derivatives	151	mg/Kg
Total hydroxytyrosol derivatives	139	mg/Kg
Total polyphenols analyzed	290	mg/Kg

Comments:

The daily consumption of 20 g of the analyzed olive oil provides 5,79mg 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

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