

**World Olive Center for Health**

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Athens: 17/01/2022**Cert. Num: C2122-00633****CERTIFICATE OF ANALYSIS****Brand Name:** Elisson Special Edition EVOO Megaritiki 250ml LOT 291121**Owner:** ELISSON Olive Oil & More**Analysis Date:** 13/01/2022**Variety:** MEGARITIKI**Origin:** KRYONERI KORINTHIA GREECE**Harvesting Period:** October 2021**Production Date:** 23/10/2021**Oil Mill:****Chemical Analysis**

Oleocanthal	87	mg/Kg
Oleacein	52	mg/Kg
Oleocanthal+Oleacein (index D1)	139	mg/Kg
Ligstroside aglycon (monoaldehyde form)	114	mg/Kg
Oleuropein aglycon (monoaldehyde form)	114	mg/Kg
Ligstroside aglycon (dialdehyde form)*	258	mg/Kg
Oleuropein aglycon (dialdehyde form)**	109	mg/Kg
Free Tyrosol	<5	mg/Kg
Total tyrosol derivatives	459	mg/Kg
Total hydroxytyrosol derivatives	275	mg/Kg
Total polyphenols analyzed	734	mg/Kg

Comments:

The daily consumption of 20 g of the analyzed olive oil provides 14,68mg 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, 600-607. & Molecules, 2020, 25, 2449.

The results relate to the analyzed sample.

*Oleomissional+Oleuropeindial **Ligstrodiol+Oleokoronal

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