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CERTIFICATE OF ANALYSIS

Brand Name: MASTOIDIS 1 **Analysis Date:** 06/12/2019
Owner: MITERA GmbH
Variety: TSOUNATI
Origin: PIGI RETHYMNI GREECE
Harvest Period: October 2019 **Production Date:** 15/10/2019
Oil Press: ΜΑΡΚΑΚΗΣ ΒΑΣΙΛΕΙΟΣ

Chemical Analysis

Oleocanthal	69 mg/Kg
Oleacein	64 mg/Kg
Oleocanthal + Oleacein (index D1)	133 mg/Kg
Ligstroside aglycon (monoaldehyde form)	35 mg/Kg
Oleuropein aglycon (monoaldehyde form)	51 mg/Kg
Ligstroside aglycon (dialdehyde form)	337 mg/Kg
Oleuropein aglycon (dialdehyde form)	260 mg/Kg
Total tyrosol derivatives	441 mg/Kg
Total hydroxytyrosol derivatives	375 mg/Kg
Total polyphenols analyzed	816 mg/Kg

Comments :

The daily consumption of 20 g of the analyzed olive oil provides 16.3 mg 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 according to the method published in J.Agric. Food Chem., 2012, 60 (47) , pp 11696-11703, J.Agric. Food Chem., 2014 62 (3) , 600-607 and OLIVAE, 2015, 122, 22-33.

*Oleomissional+Oleuropeindial **Ligstrodial+Oleokoronal

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