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Athens, 09/11/2020
Cert.Num: 2021-C00303

CERTIFICATE OF ANALYSIS

Analysis Date: 09/11/2020

Owner: S.A. ANDRIOTIS O.E.

Variety: LIANOLIA
Origin: AGIOS MATTHAIOS STROGGILI CORFU GREECE

Harvest Period: October 2020 **Production Date:** 29/10/2020

Chemical Analysis

Oleocanthal	269	mg/Kg
Oleacein	120	mg/Kg
Oleocanthal + Oleacein (index D1)	389	mg/Kg
Ligstroside aglycon (monoaldehyde form)	37	mg/Kg
Oleuropein aglycon (monoaldehyde form)	29	mg/Kg
Ligstroside aglycon (dialdehyde form)	214	mg/Kg
Oleuropein aglycon (dialdehyde form)	107	mg/Kg
Total tyrosol derivatives	519	mg/Kg
Total hydroxytyrosol derivatives	256	mg/Kg
Total polyphenols analyzed	775	mg/Kg

Comments :

The levels of oleocanthal and oleacein are higher than the average values (135 and 105 mg/Kg respectively) 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 15.5 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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