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CERTIFICATE OF ANALYSIS

Analysis Date: 30/10/2018

Owner: LEDAKI IOANNA

Variety: KORONEIKI

Origin: KAFOUROS CANEA GREECE

Chemical Analysis

Acidity: 0,35 (<0,8)

Peroxides: 8 meqO₂/Kg (<20)

Oleocanthal

191 mg/Kg

Oleacein

127 mg/Kg

Oleocanthal + Oleacein (index D1)

318 mg/Kg

Ligstroside aglycon (monoaldehyde form)

32 mg/Kg

Oleuropein aglycon (monoaldehyde form)

48 mg/Kg

Ligstroside aglycon (dialdehyde form)

88 mg/Kg

Oleuropein aglycon (dialdehyde form)

48 mg/Kg

Total tyrosol derivatives

311 mg/Kg

Total hydroxytyrosol derivatives

224 mg/Kg

Total phenols analyzed

535 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 10.7 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 **Ligstrodiol+Oleokoronal

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