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CHEMICAL ANALYSIS RESULTS

An olive oil sample from *Olea Sylvestris* produced by A.KARAKIKES in October 2013 was analyzed in our laboratory and the following results were found:

Oleocanthal: 528 mg/Kg
Oleacein: 194 mg/Kg
Oleuropein: 168 mg/Kg
Ligostride: 371 mg/Kg

K232 = 1,897 ($\leq 2,4$)
K270 = 0,169 ($\leq 0,2$)
 $\Delta K = 0,01$ ($\leq 0,01$)

The concentration of oleocanthal and oleacein was significantly higher than the average values of the samples of Greek olive oils (99 and 48 mg/Kg respectively) that were included in the study of the University of Athens.

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.

Since the sum of the four active elements exceeds 250 mg/Kg the oil belongs in the category of oils which protect against the oxidation of LDL cholesterol in accordance with the 432/2012 ruling of the EU.

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