



CERTIFICATE OF OLIVE OIL POLYPHENOLS ANALYSIS

Description	Olive oil sample 'eladaki'
Producer / Distributor	KSEROUDAKIS GEORGIOS
Olive Variety	TSOUNATI
Region of Cultivation	RODAKINO RETHYMNO CRETE
Type of Cultivation	ORGANIC
Production Way	TWO PHASE OLIVE OIL MILL
Date of harvest	16 - 20 OCTOBER 2023
Date of oiling	ON THE SAME DAY
Date of reception	16 JANUARY 2023
Date of analysis	27 JANUARY 2023
Packaging	METAL BOTTLE
ANALYSIS*	<p>1.Extraction/Sample preparation</p> <p>2.Determination of olive oil biophenols, referred to EFSA's approved health claim and verification, whether the analyzed olive oil sample meets the specifications of the EU regulation 432/2012 concerning the health claim on olive oil polyphenols (http://www.efsa.europa.eu/sites/default/files/scientific_output/files/main_documents/2033.pdf).</p> <p>3.Quantitative determination of Hydroxytyrosol (HT), Tyrosol (T), Oleacein (OLEA) and Oleocanthal (OLEO) using the HPLC-DAD technique, proposed by International Olive Council (IOC) (http://www.internationaloliveoil.org/documents/viewfile/4141-met29eng).</p>

*Experimental details: available upon request.

RESULTS

Determination of olive oil biophenols						
Sample code	mg of compound/Kg olive oil				RRF*	Determination of polyphenols (mg tyrosol/Kg olive oil)
	HT	T	OLEA	OLEO		
OLE_1755	9.11	14.56	66.22	119.92	5.07	398

RRF*: Factor for the expression of the result as Tyrosol.

Comments

Based on the results of olive oil analysis that was performed by the suggested method of International Olive Oil Council, the specific olive oil sample analyzed on the above-mentioned date, was found to **contain 398 mg Tyrosol/Kg olive oil**. Thus, it can be concluded that the analyzed olive oil sample **meets the specifications** of the EU regulation 432/2012 concerning the health claim on olive oil polyphenols.

PharmaGnose,
Analytical Department

PHARMAGNOSE ΒΙΟΤΕΧΝΟΛΟΓΙΚΗ ΑΕ
ΥΠΗΡΕΣΙΕΣ ΕΡΕΥΝΑΣ & ΠΕΙΡΑΜΑΤΙΚΗΣ ΑΝΑΠΤΥΞΗΣ
ΚΕΝΤΡ.: ΠΑΠΑΘΑΝΑΣΙΟΥ 24 - ΧΑΛΚΙΔΑ Τ.Κ. 34100
ΥΠΟΚ.: 57^η ΧΑΜ. Ε.Θ. ΑΘΗΝΩΝ-ΛΑΜΙΑΣ Τ.Κ. 32011 ΟΙΝΟΦΥΤΩΝ
Α.Φ.Μ. 800487737 - Δ.Ο.Υ. ΧΑΛΚΙΔΑΣ