



CERTIFICATE OF OLIVE OIL POLYPHENOLS ANALYSIS

Description	Olive oil sample_A 'eladaki tou voria'
Producer / Distributor	KSEROUDAKIS GEORGIOS
Olive Variety	TSOUNATI "MASTOIDIS"
Region of Cultivation	RODAKINO RETHYMNO CRETE
Type of Cultivation	ORGANIC
Production Way	TWO PHASE OLIVE OIL MILL
Date of harvest	12 - 28 OCTOBER 2024
Date of oiling	ON THE SAME DAY
Date of reception	05 FEBRUARY 2025
Date of analysis	20 FEBRUARY 2025
Packaging	METAL BOTTLE
ANALYSIS*	1.Extraction/Sample preparation 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). 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).

*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_1814	2.84	9.16	69.80	166.17	4.87	361

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 361 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
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