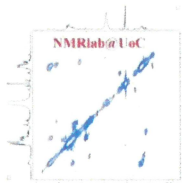




Εργαστήριο Φασματοσκοπίας NMR

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Heraklion Crete, 30/09/2025

Olive Oil Phenolics Analysis

Sample ID: Theofanis /15-09-2025

Phenolic compound	μmol/g oil	mg/Kg oil
Oleuropein aglycon	0.11	41
Oleacein	0.98	313
Oleomissional	0.00	0
Oleuropindial	0.00	0
Total hydroxytyrosol compounds	1.08	353
Ligstroside aglycon	0.29	104
Oleocanthal	4.76	1449
Oleokoronal	0.04	15
Ligstrodiol	0.00	0
Total tyrosol compounds	5.09	1568
Total phenolics	6.17	1922

According to the European Council Regulation No. 432/2012 of 16 May 2012, the olive oil health claim related to polyphenols is established for total phenolics of >250 mg/Kg olive oil.

The NMR Lab Director

Digitally signed by
Apostolos Spyros
Date: 2025.09.30
19:38:26 +03'00'

Apostolos Spyros

Prof. of Chemistry

[Analysis according to the literature protocols: Karkoula E., Skantzari A., Melliou E., Magiatis P. *J. Agric. Food Chem.* **2012**, 47, 11696-11703; S. Christophoridou and P. Dais *Anal. Chim. Acta* **2009**, 633, 283-292; Romero C., Brenes M. *J. Agric. Food Chem.* **2012**, 60, 9017-9022]