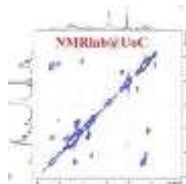




**Εργαστήριο Φασματοσκοπίας NMR**

Διευθυντής: Καθ. Απόστολος Σπύρος,  
Τ. Θ. 2208, Βούτες, Ηράκλειο Κρήτης, 71003  
Τηλ.: 2810 545112



**NMR Laboratory**

Director: Prof. Apostolos Spyros,  
P.O. Box 2208, Voutes, Heraklion Crete 71003,  
Greece. Tel: +302810545112

Heraklion Crete, 30/09/2025

**Olive Oil Phenolics Analysis**

<b>Sample ID:</b> Sparta	15-09-2025
<b>Phenolic compound</b>	<b>mg/Kg oil</b>
Oleuropein aglycon	40
Oleacein	782
Oleomissional	0
Oleuropindial	0
Total hydroxytyrosol compounds	822
Ligstroside aglycon	98
Oleocanthal	2126
Oleokoronal	10
Ligstrodiol	0
Total tyrosol compounds	2234
<b>Total phenolics</b>	<b>3057</b>

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  
19:33:17 +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]