



Departamento de Química Analítica  
Edificio Anexo Marie Curie  
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### Certificate of analysis

Córdoba 06th October 2025

Producer: Oleaphen High Potency Phenolic

Samples: 2

Cultivar:

Sample ID: 20250919

Analysis date: 10/01/2025

Analytical method: Liquid–liquid extraction of phenolic compounds and analysis by liquid chromatography coupled to tandem mass spectrometry (LC–MS/MS) in MRM mode.

Quantitation method: Absolute quantitation based on calibration models prepared with pure standard solutions of the analyzed phenols.

| Compound                                 | Concentration (mg/kg) |
|------------------------------------------|-----------------------|
| A: Hydroxytyrosol                        | 18.3                  |
| B: Tyrosol                               | 12.4                  |
| C: Oleacein                              | 748                   |
| D: Oleocanthal                           | 1248                  |
| E: Oleocanthalic acid                    | < LOQ                 |
| F: Oleuropein aglycone (sum of isomers)  | 181                   |
| G: Ligstroside aglycone (sum of isomers) | 23.4                  |
| H: Apigenin                              | 1.8                   |
| I: Luteolin                              | 3.5                   |

**Total content of hydroxytyrosol derivatives (A+C+F): 947 mg/kg.**

**Total content of tyrosol derivatives (B+D+G): 1284 mg/kg.**

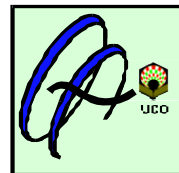
**Total content in phenols of the EFSA Health Claim (A+B+C+D+F+G): 2231 mg/kg.**

**Total content of phenolic compounds (A+B+C+D+F+G+H+I): 2236 mg/kg.**



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**Coments:**

The daily intake of 20 g of the analyzed olive oil provides **44.6 mg** of hydroxytyrosol, tyrosol and derivatives, an amount higher than that stated by the European Regulation 432/2012 (5 mg of daily intake) based on the EFSA Health Claim. Therefore, the intake of this olive oil according to the suggested amount provides the health benefits described in the Health Claim, with special emphasis on the protection of blood lipids against oxidation.



F. Priego-Capote