

TECHNICAL DATA SHEET

General Information

Sample Code: A209.1

Formulation: Concentrated aqueous extract from *Olea Europaea*

Batch: 12022026

Date: 12/02/2026

Appearance: Dark Red Wine Liquid

Hydroxytyrosol (HT) Concentration: 31.35 g/L

Tyrosol Concentration: 7.24 g/L

Purity (HPLC, 254 nm): 6 % (relative to hydroxytyrosol)

Volume: 7.40 mL

Density: 1.34 g/mL

Antioxidant Capacity Test: *: 378.72 mM Trolox

Trace Elements and Macronutrients

Element	Symbol	Concentration (ppm)
Copper	Cu	24.02
Nickel	Ni	4.99

Heavy Metals*:

Element	Symbol	Concentration (ppm)	Status/Note
Lead	Pb	0.20	Detected (Very low level)
Arsenic	As	0.16	Detected (Very low level)
Mercury	Hg	<0.060	Not detected (Limit of Quantification)
Cadmium	Cd	<0.006	Not detected (Limit of Quantification)

Mesophilic Aerobes: Absent / 50g

Shelf Life *: Scientific literature states that an extract enriched in hydroxytyrosol maintains a stable concentration for 6 to 18 months when stored under the conditions described below

Storage Instructions: No special conditions required. Keep the container sealed and protected from light at temperatures below 35°C.

Scientific References

1. EFSA NDA Panel (EFSA Panel on Dietetic Products, Nutrition and Allergies), Turck D, Bresson J-L, Burlingame B, Dean T, Fairweather-Tait S, et al. Scientific opinion on safety of hydroxytyrosol as a novel food pursuant to Regulation (EC) No 258/97. EFSA Journal. 2017;15(3):4728. doi:10.2903/j.efsa.2017.4728.
2. Katsinas N, Enríquez-de-Salamanca A, Bento da Silva A, Bronze MR, Rodríguez-Rojo S. Olive Pomace Phenolic Compounds Stability and Safety Evaluation: From Raw Material to Future Ophthalmic Applications. Molecules. 2021;26(19):6002. doi:10.3390/molecules26196002.

* **Analysis Source:** Research Support Services of the University of Extremadura (SAIUEX) at the Elemental and Molecular Analysis Service laboratory

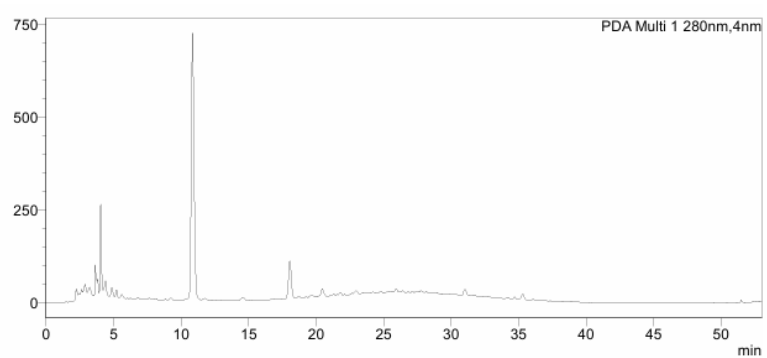


Figure 1: Chromatogram of the HT-rich aqueous extract, $\lambda=280\text{ nm}$.