



LABORATORIO DE ENSAYO FÍSICO-QUÍMICOS  
RECONOCIDO POR EL COI PARA EL PERÍODO  
1 de DICIEMBRE de 2021 al 30 de NOVIEMBRE de 2022



Tests marked (\*) are not included in scope of Accreditation of ENAC.

Activities marked (#) are not included in scope of Accreditation of ENAC.

**COSTUMER:**  
**OLEA TRADING**  
**RUE TÉTOUAN**  
**10020 RABAT**  
**RABAT**

### CERTIFICATE OF ANALYSIS

**Certificate of Analysis (1):** 20215090732 / M1/I  
**Laboratory reference:** 1/16.712  
**Date of receipt:** 10/02/2022 **Final date of Analysis:** 14/02/2022 **Issue date:** 15/02/2022  
**Sample for Testing:** Olive Oils

### DATA PROVIDED BY CLIENT (2)

**Sample reference:** LOT N°: BTI PICUAL PRESTIGE. 22000 Kg. 27/01/2022  
**Packing:** BOTE PET OPACO 500 ml TAPÓN PRECINTO VERDE **Quantity:** 500 ml

### ANALYSIS RESULTS

| <u>DETERMINATION</u>                 | <u>RESULT</u> | <u>UNIT</u>   | <u>LÍMIT</u>       | <u>PROCEDURE</u> |
|--------------------------------------|---------------|---------------|--------------------|------------------|
| <b>Acidity</b>                       |               |               |                    |                  |
| Acidity                              | 0.09          | % (ac.oleic.) | ≤ 0.8 (Nota 1)     | PNT 1.08         |
| <b>Peroxide index</b>                |               |               |                    |                  |
| Peroxide index                       | 7.4           | meq O2/kg     | ≤ 20 (Nota 1)      | PNT 1.09         |
| <b>Spectrophotometric analysis</b>   |               |               |                    |                  |
| K 270                                | 0.12          | -             | ≤ 0.22 (Nota 1)    | PNT 1.10         |
| K 232                                | 1.83          | -             | ≤ 2.50 (Nota 1)    | PNT 1.10         |
| ΔK                                   | 0.005         | -             | ≤ 0.01 (Nota 1)    | PNT 1.10         |
| <b>Moisture</b>                      |               |               |                    |                  |
| Moisture and volatile matter         | 0.08          | %             | ≤ 0.2 (Nota 2)     | PNT 1.11         |
| <b>Insoluble impurities</b>          |               |               |                    |                  |
| Impurities (Petroleum ether)         | <0.05         | %             | ≤ 0.10 (Nota 2)    | PNT 1.12         |
| <b>Ethyl Ester</b>                   |               |               |                    |                  |
| Ethyl ester                          | <10           | mg/kg         | Max 35 (Nota 1)    | PNT 1.20         |
| <b>Content of waxes</b>              |               |               |                    |                  |
| C40 + C42 + C44 + C46                | 65            | mg/kg         | No aplica (Nota 1) | PNT 1.20         |
| C42 + C44 + C46                      | 43            | mg/kg         | ≤ 150 (Nota 1)     | PNT 1.20         |
| <b>Total sterols and composition</b> |               |               |                    |                  |
| Total sterols                        | 1615          | mg/kg         | ≥ 1000 (Nota 1)    | PNT 1.17         |
| Cholesterol                          | <0.1          | %             | ≤ 0.5 (Nota 1)     | PNT 1.17         |

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**Pol. Ind. "Los Olivares" C/ La Iruela,8 - Teléfonos 953 281116 – 281250 - Fax 953 281562 - 23009 Jaén (España)**  
**e-mail: laboratorio@laboratoriotello.com http://www.laboratoriotello.com**



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**Sample for Testing:** Olive Oils

### ANALYSIS RESULTS

| <u>DETERMINATION</u>           | <u>RESULT</u> | <u>UNIT</u> | <u>LÍMIT</u>          | <u>PROCEDURE</u> |
|--------------------------------|---------------|-------------|-----------------------|------------------|
| Brassicasterol                 | <0.1          | %           | ≤ 0.1 (Nota 1)        | PNT 1.17         |
| Campesterol                    | 3.0           | %           | ≤ 4.0 (Nota 1)        | PNT 1.17         |
| Stigmasterol                   | 1.3           | %           | < Camp (Nota 1)       | PNT 1.17         |
| β-sitosterol (apparent)        | 94.7          | %           | ≥ 93.0 (Nota 1)       | PNT 1.17         |
| Δ-7-Stigmastenol               | 0.3           | %           | ≤ 0.5 (Nota 1)        | PNT 1.17         |
| <b>Erythrodiol and Uvaol</b>   |               |             |                       |                  |
| Erythrodiol and uvaol          | 1.2           | %           | ≤ 4.5 (Nota 1)        | PNT 1.17         |
| <b>Fatty acid Content</b>      |               |             |                       |                  |
| Lauric (C12:0)                 | <0.02         | %           | No aplica             | PNT 1.14         |
| Myristic (C14:0)               | 0.02          | %           | ≤ 0.03 (Nota 1)       | PNT 1.14         |
| Palmitic (C16:0)               | 15.21         | %           | 7.50 -20.00 (Nota 1)  | PNT 1.14         |
| Palmitoleic (C16:1)            | 1.74          | %           | 0.30 -3.50 (Nota 1)   | PNT 1.14         |
| Margaric (C17:0)               | 0.05          | %           | ≤ 0.40 (Nota 1)       | PNT 1.14         |
| Margaroleic (C17:1)            | 0.09          | %           | ≤ 0.60 (Nota 1)       | PNT 1.14         |
| Stearic (C18:0)                | 2.12          | %           | 0.50 -5.00 (Nota 1)   | PNT 1.14         |
| Oleic (C18:1)                  | 72.98         | %           | 55.00 -83.00 (Nota 1) | PNT 1.14         |
| Linoleic (C18:2)               | 5.94          | %           | 2.50 -21.00 (Nota 1)  | PNT 1.14         |
| Linolenic (C18:3)              | 0.99          | %           | ≤ 1.00 (Nota 1)       | PNT 1.14         |
| Arachidic (C20:0)              | 0.39          | %           | ≤ 0.60 (Nota 1)       | PNT 1.14         |
| Eicosenoic (C20:1)             | 0.27          | %           | ≤ 0.50 (Nota 1)       | PNT 1.14         |
| Behenic (C22:0)                | 0.12          | %           | ≤ 0.20 (Nota 1)       | PNT 1.14         |
| Erucic (C22:1)                 | <0.10         | %           | No aplica             | PNT 1.14         |
| Lignoceric (C24:0)             | 0.09          | %           | ≤ 0.20 (Nota 1)       | PNT 1.14         |
| <b>Sum of trans Isomers</b>    |               |             |                       |                  |
| Tr Oleic (C18:1T)              | <0.03         | %           | ≤ 0.05 (Nota 1)       | PNT 1.14         |
| Tr L (C18:2T) + Tr Ln (C18:3T) | <0.03         | %           | ≤ 0.05 (Nota 1)       | PNT 1.14         |

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**COSTUMER:**  
**OLEA TRADING**  
**RUE TÉTOUAN**  
**10020 RABAT**  
**RABAT**

**CERTIFICATE OF ANALYSIS**

**Certificate of Analysis (1):** 20215090732 / M1/I  
**Laboratory reference:** 1/16.712  
**Date of receipt:** 10/02/2022 **Final date of Analysis:** 14/02/2022 **Issue date:** 15/02/2022  
**Sample for Testing:** Olive Oils

**ANALYSIS RESULTS**

| <u>DETERMINATION</u>                                  | <u>RESULT</u> | <u>UNIT</u>      | <u>LÍMIT</u>        | <u>PROCEDURE</u>            |
|---|---------------|------------------|---------------------|-----------------------------|
| <b>Difference: ECN42 (HPLC) and ECN42 theoretical</b> |               |                  |                     |                             |
| Difference ECN42                                      | <0.05         |                  | ≤ 0.2 (Nota 1)      | PNT 1.19                    |
| <b>2-glyceril Monopalmitate</b>                       |               |                  |                     |                             |
| 2-glyceril monopalmitate                              | 0.8           | %                | Ver Nota A (Nota 1) | PNT 1.58                    |
| <b>*Total Polyphenols</b>                             |               |                  |                     |                             |
| * Poliphenols   | 215           | mg Ac.cafeico/kg |                     | PNT 1.56 (Folin -Ciocalteu) |

**NOTES:**  
# Results that are expressed as a sum have been calculated prior to the rounding of decimals of each of the individually reported results.  
# LC: limit of quantification. PNT: Normalized Work Procedure.  
# The calculated uncertainty (U), in physicochemical parameters, is for a confidence level of 95% (k = 2), expressed in absolute value.

# The values of indicated limits are for the category: Extra Virgin Olive Oil

**# Comments:**

# Note 1: Limits specified in the EC Regulation 2568/91 and subsequent amendments.

Vº Bº Jefe de Laboratorio



Fdo: M.ª Luisa Cuenca de los Cobos



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**CERTIFICATE OF ANALYSIS**

Certificate of Analysis (1): **11209182308 / M3/I**

Laboratory reference: **1/4.664**

Date of receipt: **23/11/2021**

Final date of Analysis: **09/12/2021**

Issue date: **09/12/2021**

Sample for Testing: **Olive Oils**

**DATA PROVIDED BY CLIENT (2)**

Sample reference: **LOT N°: ZOUITINA PRESTIGE**

Packing: **BOTE PET OPACO 500 ml TAPÓN PRECINTO VERDE**

Quantity: **500 ml**

**ANALYSIS RESULTS**

| <b>DETERMINATION</b>               | <b>RESULT</b>       | <b>PROCEDURE</b>              |
|------------------------------------|---------------------|-------------------------------|
| <b>Organoleptic assessment</b>     |                     |                               |
| <b>Median of fruity</b>            | <b>6.8</b>          | RCEE 2568/91 y modificaciones |
| <b>Median of defect</b>            | <b>0.0</b>          | RCEE 2568/91 y modificaciones |
| <b>Organoleptic Classification</b> | <b>VIRGEN EXTRA</b> | RCEE 2568/91 y modificaciones |

Vº Bº Jefe de Panel



Ana M.ª Camacho  
Jefe de Panel

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