



THESSALONIKI WATER SUPPLY & SEWAGE SA  
LABORATORY OF WATER TREATMENT PLANT

AREA: ORAIOKASTRO

Sampling date: 03 - 09 - 2025

| Physicochemical Parameters | Units                 | Measured Value  | Parametric Value <sup>1</sup>                  |
|----------------------------|-----------------------|-----------------|--|
| Turbidity                  | NTU                   | 0.084           | <1.0   |
| Colour                     | PCU                   | <5 <sup>3</sup> | Acceptable to consumers and no abnormal change |
| Aluminium                  | µg Al/l               | 31              | 200  |
| Clorides                   | mg Cl <sup>-</sup> /l | NA <sup>5</sup> | 250  |
| Conductivity               | µS/cm at 20°C         | 410             | 2500   |
| pH                         | pH units              | 7.8             | ≥6.5 και ≤9.5                                  |
| Residual chlorine          | mg/l                  | 0.34            | ≥0.2 <sup>2</sup>                              |
| Microbiological Parameters | Units                 | Measured Value  | Parametric Value <sup>1</sup>                  |
| Coliforms                  | CFU / 100ml           | ND <sup>4</sup> | 0  |
| Escherichia coli (E.coli)  | CFU / 100ml           | ND <sup>4</sup> | 0  |
| Enterococci                | CFU / 100ml           | ND <sup>4</sup> | 0  |
| Colony count at 22°C       | CFU/ml                | <1 <sup>4</sup> | No abnormal change                             |
| Sensorial Parameters       | Units                 | Measured Value  | Parametric Value <sup>1</sup>                  |
| Odour                      |                       | Acceptable      | Acceptable to consumers and no abnormal change |
| Taste                      |                       | Acceptable      | Acceptable to consumers and no abnormal change |

<sup>1</sup> GOVERNMENT GAZETTE 3525/B'/25-05-2023, "Quality of water intended for human consumption".

<sup>2</sup> GOVERNMENT GAZETTE 5 B'/9-1-1958, "Disinfection of water".

<sup>3</sup> Limit of Quantification.

<sup>4</sup> According to ISO 8199:2018:

No colonies: <1 : "Not detected in the analytical test portion" (ND).

1-2 colonies: "Microorganisms are present in the volume studied".

3-9 colonies: "Estimated number in the volume studied".

<sup>5</sup> Not applicable according to Government Gazette 3525/B'/25-05-2023