

Hellenic Accreditation System



Annex F1/13 to the Certificate No. **285-5**

SCOPE of ACCREDITATION

of the
Testing Laboratory

«**BIOANALYSIS SCIENTIFIC LABORATORIES Single Member P.C**»

| Materials/Products tested | Types of test/Properties measured | Applied methods / Techniques used |
|---|--|--|
| | Chemical Tests | |
| 1. Water (potable, surface, network, ground, spring and swimming pools water) | 1. Determination of pH (*) | ISO 10523:2008 |
| | 2. Determination of electrical conductivity (*) | EAOT EN 27888:1993 |
| | 3. Determination of ammonium, nitrogen ammonia and total ammonia (*) | HACH method 8038 |
| | 4. Determination of sulfates (*) | HACH method 8051 |
| | 5. Determination of nitrates (*) | APHA ⁽¹⁾ 4500-NO ₃ ⁻ Method B |
| | 6. Determination of orthophosphates and total phosphorus (*) | HACH method 8048 |
| | 7. Determination of nitrites and nitrite nitrogen (*) | HACH method 8507 |
| | 8. Determination of residual chlorine (*) | HACH method 8021 |
| | 9. Determination of total chlorine | HACH method 8167 |
| 2. Waste water | 1. Determination of pH | ISO 10523:2008 |
| | 2. Determination of electrical conductivity | EAOT EN 27888:1993 |
| | Microbiological Tests | |
| 1. Potable, surface and swimming pool water | 1. Detection and enumeration of total coliform bacteria and <i>E. coli</i> (*) | ISO 9308-1:2000 |

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| | 2. Detection and enumeration of intestinal enterococci (*) | ISO 7899-2:2000 |
| | 3. Enumeration of culturable microorganisms at 22 ± 2°C και 36 ± 2°C (*) | ISO 6222:1999 |
| | 4. Detection and enumeration of <i>Pseudomonas aeruginosa</i> (*) | EN ISO 16266:2006 |
| | 5. Detection and enumeration of <i>Clostridium perfringens</i> (*) | Directive 98/83 E.C. M.D. 2600/Y2/2001, G.G. 892/11-7-2001 |
| 2. Bottled water | 1. Detection and enumeration of <i>Pseudomonas aeruginosa</i> (*) | EN ISO 16266:2006 |
| 3. Sea water | 1. Detection and enumeration of total coliform bacteria and <i>E. coli</i> | ISO 9308-1:2000 |
| | 2. Detection and enumeration of intestinal enterococci | ISO 7899-2:2000 |
| 4. Food and animal feeding stuffs | 1. Enumeration of microorganisms – colony count technique at 30°C | ISO 4833-1:2013 |
| | 2. Detection and enumeration of Enterobacteriaceae | ISO 21528-2:2004 |
| | 3. Enumeration of Coliforms – colony count technique at 37°C | ISO 4832:2006 |
| | 4. Enumeration of β-glucuronidase-positive <i>Escherichia coli</i> | ISO 16649-2:2001 |
| | 4. Enumeration of coagulase-positive staphylococci (<i>Staphylococcus aureus</i> and other species) | ISO 6888-2:1999/Amd1:2003 |
| | 6. Detection of <i>Salmonella spp</i> | ISO 6579:2002 |
| | 7. Detection of <i>Listeria monocytogenes</i> | ISO 11290-1:1996/Amd1:2004 |
| 5. Animal faeces and samples from the primary production stage | 1. Detection of <i>Salmonella spp</i> | ISO 6579:2002 / Amd1:2007, Annex D |
| Sampling | | |
| 1. Drinking water and water for human consumption, sea water | 1. Determination of chemical parameters | ISO 5667-1:2006 ISO 5667-3:2012 ISO 5667-5:2006 ISO 5667-9:1992 ISO 5667-14:1998 |
| | 2. Microbiological investigations | ISO 19458:2006 ISO 5667-1:2006 ISO 5667-3:2012 ISO 5667-5:2006 ISO 5667-9:1992 ISO 5667-14:1998 |

** Methods marked with (*) are in accordance with the method specification criteria of Common Ministerial Decision Y2/2600/2001 (Directive EC 98/83) and its amendment Common Ministerial Decision ΔΥΤ2/Γ.Π. 38295 concerning the quality of water for human consumption.*

⁽¹⁾ APHA: American Public Health Association, American Water Works Association, Water Environment Federation, “Standard Methods for the Examination of Water and Wastewater”, 22nd Edition, 2012

Site of assessment: **Permanent Laboratory premises, 11 Arch. Makariou str, WB 123, 452 21, Ioannina, Greece.**
Approved signatories: **D. Dimitriou.**

This scope of Accreditation replaces the previous one dated 11.11.2014.

The Accreditation Certificate No. **285-5**, to ELOT EN ISO/IEC 17025:2005, is valid until 19.06.2018.

Athens, 29.06.2015

Ioannis Sitaras
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