

# Hellenic Accreditation System



Annex F1/1 to the Certificate No.1112

**SCOPE of ACCREDITATION**  
of the  
**Analytical Laboratories**  
of  
**ArC LABORATORIES**  
Analytical and Research Chemical Laboratories

Materials / Products Tested	Types of Test / Properties	Applied Standards / Techniques
Chemical Testing		
1. Water for human consumption	1. Determination of pH	Modified method ISO 10523:2008
	2. Determination of Conductivity	Modified method APHA_2510B*
	3. Determination of Total and Composite Alkalinity	ISO 9963-1:1994
	4. Determination of Ammonium (NH <sub>4</sub> <sup>+</sup> )	Modified method ISO 7150-1:1984
	5. Determination of Sodium (Na)	ISO 11885:2008 (ICP-OES)
	6. Determination of Potassium (K)	ISO 11885:2008 (ICP-OES)
	7. Determination of Calcium (Ca)	ISO 11885:2008 (ICP-OES)
	8. Determination of Magnesium (Mg)	ISO 11885:2008 (ICP-OES)
	9. Determination of Barium (Ba)	ISO 11885:2008 (ICP-OES)
	10. Determination of Cobalt (Co)	ISO 11885:2008 (ICP-OES)
	11. Determination of Chromium (Cr)	ISO 11885:2008 (ICP-OES)
	12. Determination of Fluoride (F <sup>-</sup> )	U.S.EPA 300.1:1999
	13. Determination of Chloride (Cl <sup>-</sup> )	U.S.EPA 300.1:1999
	14. Determination of Nitrate (NO <sub>3</sub> <sup>-</sup> )	U.S.EPA 300.1:1999
	15. Determination of Nitrite (NO <sub>2</sub> <sup>-</sup> )	U.S.EPA 300.1:1999
	16. Determination of Sulfate (SO <sub>4</sub> <sup>2-</sup> )	U.S.EPA 300.1:1999
	17. Determination of Phosphate (PO <sub>4</sub> <sup>3-</sup> )	U.S.EPA 300.1:1999

Materials / Products Tested	Types of Test / Properties	Applied Standards / Techniques
Microbiological testing		
1. Water for human consumption	1. Detection and enumeration of total coliforms and E. coli	ISO 9308-1:2014 ISO 9308-1 /Amd1:2016
	2. Detection and enumeration of intestinal enterococci	ISO 7899-2:2000
	3. Enumeration of culturable micro-organisms at 22±2°C and 36±2 °C	ISO 6222:1999

\* American Public Health Association, American Water Works Association, Water Environment Federation, "Standard Methods for the Examination of Water and Wastewater", 22<sup>nd</sup> Edition, 2012

Site of assessment : **Laboratory permanent premises, Orchomenou 14, Peristeri 12132, Athens, Greece**  
 Approved signatories: **John Thivaos.**

The Accreditation Certificate No. 1112, to ELOT EN ISO/IEC 17025:2005, is valid until 15.02.2022.

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