Hellenic Accreditation System

Annex F1/13 to the Certificate No. **757**-5

SCOPE of ACCREDITATION

of the

Testing Laboratory

of the

Water Supply & Sewerage Company of Municipality of Larissa

Materials / Products tested	Types of test / Properties measured	Applied methods / Techniques used
Chemical Tests		
1. Drinkable water, underground water, surface water, and pool water	1. Determination of pH	ELOT 658:1983
	2. Determination of conductivity	Based on ELOT EN 27888:1993
2. Drinkable water, underground water, surface water	1. Determination of Cl^-, NO_3^-, SO_4^{2-}	ISO 10304-1:2007
	2. Determination of Mn	HACH LCK 532
	3. Determination of Fe	HACH LCK 521
	4. Determination of NH_4^+	HACH LCK 304
	5. Determination of Cr	Based on ELOT EN ISO 15586:2003
	6. Determination of As	Based on ISO 17378-2:2014
	7. Determination of Cu	ELOT EN ISO 8288:1986
	8. Determination of Ni	Based on ISO 15586:2003
	9. Determination of Pb	Based on ISO 15586:2003
	10. Determination of Cd	Based on ISO 15586:2003
	11. Determination of Turbidity	ELOT EN ISO 7027-1:2016
	12. Determination of Color	Based on APHA 2120 *C
	13. Determination of F^-	ISO 10304-1

Materials / Products tested	Types of test / Properties measured	Applied methods / Techniques used
3. Drinkable water, underground water	Determination of BrO_3^-	ISO 11206:2011
4. Drinkable water, underground water and pool water	Determination of chlorine residual	APHA4500-Cl. *G.
Microbiological Tests		
1. Drinkable, underground, surface and pool water	1. Enumeration of Total Coliforms and *E. Coli*	ISO 9308-1:2014/ amd 1:2016
	2. Detection and enumeration of intestinal enterococci	ISO 7899-2:2000
	3. Detection and Enumeration of culturable micro-organisms at 22ºC oC and 37ºC	ISO 6222:1999
	4. Detection and enumeration of *Pseudomonas aeruginosa*	ISO 16266:2006
2. Drinkable, underground and surface	Enumeration of *Clostridium perfringens including spores*	ISO 14189:2013
3. Swimming-pool water	Enumeration of Staphylococcus Aureus	APHA 9231B
Sensory Tests		
Drinkable water, underground water	1. Determination of Odor (TON)	In house method based on ELOT EN 1622:2006 and APHA 2150-2160C
	2. Determination of Taste (TFN)	In house method based on ELOT EN 1622:2006 and APHA 2160 C
Sampling		
Drinkable, underground, surface and pool water	1. Determination of Physicochemical Parameters	ELOT EN ISO 5667-3:2018 ISO 5667-5:2006 ISO 5667-6:2014 ISO 5667-11:2009 ISO 5667-14:2016
	2. Determination of Microbiological Parameters	ISO 5667-3 :2018 ISO 5667-5:2006 ISO 5667-6:2014 ISO 5667-11:2009 ISO 5667-14:2016 ISO 19458:2006

* *American Public Health Association, American Water Works Association, Water Environment Federation, "Standard Methods for the Examination of Water and Wastewater", 23rd Edition, 2017*

Site of assessement: **Permanent laboratory premises - End of Tiherou, Larissa, Greece**
Approved signatories: **N. Gougoulias, D. Ntinouli, K. Barboutis, S. Karavaka**

This scope of Accreditation replaces the previous one, dated 13.07.2024.
The Accreditation Certificate No. **757**-4, according to ELOT EN ISO/IEC 17025:2017, has been renewed and is valid until 13.07.2028.

Athens, 25th of November 2024

Konstantinos Kourtalis
Chairman of ESYD