Hellenic Accreditation System

Annex F1/12 to the Certificate No. **241**-5

SCOPE of ACCREDITATION

of the Testing Laboratory

ENVIRONMENTAL CENTRE

of

REGIONAL GOVERNMENT of WESTERN MACEDONIA

Tested materials/ products	Types of test/ Properties to be measured	Applied standards/ Techniques to be used
Chemical tests		
Water (potable, surface and ground water)	1.Determination of pH	APHA* 4500-H^+ B, 23nd Edition, 2017
	2.Determination of turbidity	APHA* 2130 B, 23nd Edition, 2017
	3.Determination of NO_3^-	APHA* 4500-NO_3^- B, 23nd Edition, 2017 screening method
	4.Determination of NO_2^-	APHA* 4500-NO_2^- B, 23nd Edition, 2017
	5.Determination of NH_4^+	APHA* B 4500-NH_3 F , 23nd Edition, 2017
	6.Determination of Hardness	APHA* 2340 C, 23nd Edition, 2017
	7.Determination of K^+	APHA* 3500-K 23nd Edition, 2017 with use of Flame Atomic Absorption Spectrometry

Tested materials/ products	Types of test/ Properties to be measured	Applied standards/ Techniques to be used
Water (potable, surface and ground water) (continued)	8.Determination of Na^+	APHA* 3500-Na, 23nd Edition, 2017 with use of Flame Atomic Absorption Spectrometry
	9.Determination of Fe	ISO 15586:2003 Graphite Furnace Atomic Absorption Spectrometry
	10.Determination of Mg	APHA* 3500-Mg, 23nd Edition, 2017 with use of Flame Atomic Absorption Spectrometry
	11.Determination of Cr	ISO 15586:2003 Graphite Furnace Atomic Absorption Spectrometry
	12.Determination of Ni	ISO 15586:2003 Graphite Furnace Atomic Absorption Spectrometry
	13.Determination of Al	ISO 15586:2003 Graphite Furnace Atomic Absorption Spectrometry
	14.Determination of Cu	ISO 15586:2003 Graphite Furnace Atomic Absorption Spectrometry
	15.Determination of Mn	ISO 15586:2003 Graphite Furnace Atomic Absorption Spectrometry
	16.Determination of Se	ISO 15586:2003 Graphite Furnace Atomic Absorption Spectrometry
	17.Determination of Cd	ISO 15586:2003 Graphite Furnace Atomic Absorption Spectrometry
	18.Determination of SO_4^{2-}	Merck Method 064 (analogous to EPA 375.4 and APHA 4500-SO_4^{2-} E)
	19.Determination of Cl^-	Merck Methods 110 and 063 (analogous to EPA 325.1 and APHA 4500-Cl^- E)
Sampling		
Water (potable, water supply systems, surface and ground water)	Sampling for the determination of physicochemical and microbiological parameters	ISO 5667-1: 2006 ISO 5667-3: 2018 ISO 5667-5: 2006 ISO 5667-11: 2009 ISO 5667-4:2016, ISO 5667-6:2014 ISO19458:2006

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

Site of assessment: **Laboratory permanent premises, 1º klm Ptolemaidas-Kozanis.**
Approved signatories: **O. Poutachidou, A. Sfikas, K. Kotsona**

This scope of Accreditation replaces the previous one dated 28.02.2018.
The Accreditation Certificate No **241**-5, to ELOT EN ISO/IEC 17025:2017, is valid until 27.11.2021.

Athens ,14.09.2020

Spyridon Podaras
CEO of ESYD