Hellenic Accreditation System

Annex F1/15 to the Certificate No **140**-6

SCOPE of ACCREDITATION

of the

Laboratory

of

Kentro Perivallontikis Anavathmisis Monadon Antirripansis Halkidikis S.A.
(KE.P.A.M.A.H. S.A.)

Tested materials/products	Types of test/Properties	Applied Methods/Techniques
Chemical Tests		
1. Waters (ground, surface and drinking)	1. Determination of conductivity	APHA* 2510 B
	2. Determination of nitrite ions	APHA* 4500-NO_2 B
	3. Determination of pH	APHA* 4500-H^+ B
	4. Determination of nitrate ions	APHA* 4500-NO_3 B
	5. Determination of chloride ions	APHA* 4500-Cl^- B
	6. Determination of hardness	APHA* 2340 C
	7. Determination of calcium	APHA* 3500 -Ca B
	8. Determination of magnesium	APHA* 3500- Mg B
	9. Determination of arsenic	APHA* 3120B
	10. Determination of manganese	APHA* 3120B
	11. Determination of copper	APHA* 3120B
	12. Determination of chromium	APHA* 3120B
	13. Determination of iron	APHA* 3120B
	14. Determination of cadmium	APHA* 3120B
	15. Determination of sodium	APHA* 3120B
	16. Determination of potassium	APHA* 3120B
	17. Determination of Turbidity	ISO 7027-1:2016
2. Waters (surface seawater – in situ)	1. Determination of dissolved oxygen	ASTM-D888-12**
	2. Temperature measurement	APHA* 2550 B

Tested materials/products	Types of test/Properties	Applied Methods/Techniques
Chemical Tests		
3. Wastewater	1.Determination of chemical oxygen demand (COD)	HACH LCK 114 HACH LCK 314
	2.Determination of total solids (TS)	APHA* 2540 B
	3.Determination of total dissolved solids (TDS)	APHA* 2540 C
	4.Determination of total suspended solids (TSS)	APHA* 2540 D
	5. Determination of total Phosphorous	HACH LCK 348 HACH LCK 350
	6. Determination of total Nitrogen	HACH LCK 238 HACH LCK 338
Microbiological Tests		
1. Drinking water, ground water,surface water, swimming pool water and sea water	1. Enumeration of *Escherichia coli* and Coliform bacteria	ISO 9308-1:2014/Amd. 1:2016
	2. Detection and enumeration of intestinal Enterococci	ISO 7899-2:2000
2. Wastewater	1. Enumeration of *Escherichia coli* and Coliforms bacteria	ISO 9308-1:2014/Amd. 1:2016

* American Public Health Association, American Water Works Association, Water Environment Federation, “Standard Methods for the Examination of Water and Wastewater”, 24th edition, 2023.
** Standard Tests Methods for Dissolved Oxygen in Water, Test Method C:Instramental Probe Prosedure-LuminescenceSensor, March 2012

Site of asseseement : **Permanent Laboratory premises, 1, 22th April Street, Poligiros, Greece**
Approved signatories: **D. Vlachakis, C. Vasiliadou, A. Pantazatou, S. Neftetzidis**

This scope of Accreditation replaces the previous one dated 07.11.2023.
The Accreditation Certificate No **140**-5, to ELOT EN ISO/IEC 17025: 2017**,** is valid until 11.11.2028.

Athens, 18.12.2023.
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Christos Nestoras
CEO of ESYD