Hellenic Accreditation System

Annex F1/13 of the Certificate No. **714**-4

SCOPE of ACCREDITATION

of the

Laboratory of Environmental Measurements

of

INTERGEO Environmental Technology Ltd.

Tested materials / products	Types of test / Properties to be measured	Applied Standard / Techniques to be used
Chemical Tests		
1. Ground, surface water and wastewater Granular waste materials, sludges received according to ELOT EN 12457.02 [(1, 2)1] [1]Parameters a/a 2, 3, 6, 7, 8, 9 and 10	1. Determination of COD	ELOT EN ISO 15705 : 2002
	2. Determination of pH	APHA* 4500 pH B
	3. Determination of Electrical Conductivity	APHA* 2510 B
	4. Determination of nitrates	MERCK, code. KIT114563
	5. Determination of chromium VI	MERCK, code. KIT114758
	6. Determination of TDS	ELOT EN 15216:2008
	7. Determination of sulphates	MERCK, code. KIT114548, MERCK, code. KIT114564
	8. Determination of chlorides	MERCK, code. KIT114730
	9. Determination of phenols	MERCK, code. KIT100856
	10. Determination of fluorides	MERCK, code. KIT1.00809.0001

Tested materials / products	Types of test / Properties to be measured	Applied Standard / Techniques to be used
	11. Determination of ammonium ions	MERCK, κωδ. KIT 1.14739 MERCK, κωδ. KIT 1.14559
	12. Determination of total suspended solids (TSS)	APHA* 2540 D
	13. Determination of Nitrite ion	MERCK, κωδ. KIT 1.14776
	14. Determination of total phosphorus	MERCK, κωδ. KIT 1.14729
	15. Determination of total nitrogen	MERCK, κωδ. KIT 1.14537 MERCK, κωδ. KIT 1.14763
	16. Determination of dissolved oxygen	APHA* 4500-O (G)
2. Ground water and surface water	1. Determination of Arsenic (As), Cadmium (Cd), Chromium (Cr), Copper (Cu),Manganese (Mn), Nickel (Ni), Lead (Pb)	APHA* 3113 Metals by electrothermal atomic absorption spectrometry"
3. Ground and surface water, wastewater and soil	Determination of Total Petroleum hydrocarbons (TPH) and Total oil / grease (TOG)	Extraction with tetrachloroethylene (based on APHA* 5520 C), IR Spectroscopy (InfraCal TOG/TPH analyzer model CVH)
4.Granular waste materials, Sludges	Leaching Test: Characterisation of waste- Leaching- Compliancetest for leaching of granular waste materials and sludges- Part 2: One stage batch test at a liquid to solidratio of 10l/kg for materials with particlesize below 4 mm (without or with size reduction)	ΕΛΟΤ EN 12457.02 (2003)
	1. Determination of suspended solids in mixed liquid (MLSS)	APHA* 2540 D
	2. Determination of volatile suspended solids of mixed liquid (MLVSS)	APHA* 2540 E
	3. Sludge Volume Index (SVI)	APHA* 2710 D

Tested materials / products	Types of test / Properties to be measured	Applied Standard / Techniques to be used
Sampling		
Solid waste and soil	Characterization of waste. Sampling of waste materials. Framework for the preparation and application of a sampling plan	ΕΛΟΤ EN 14899 : 2006

**APHA* : American Health Association , American Water Works Association, Water Environment Federation, "Standard Methods for the Examination of Water and Wastewater", 23rd Edition -.
[2] Leachates of granular waste materials and sludges received according to ELOT EN 12457.02 at a liquid to solid ratio of L/S = 10 l/kg.

Site of assessement : Industrial Area of Thermi, Thessaloniki GR 60040.
Approved signatories: Stylianos Papadopoulos, Katerina Magalou.

This Scope of Accreditation replaces the previous one dated 18.05.2023.
The Accreditation Certificate No. 714-4, according to ELOT EN ISO/IEC 17025:2017, is valid until 09.11.2027.

Athens, 06.07.2026

Konstantinou Evagelos -Apostolos
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