Hellenic Accreditation System

Annex F1/19 to the Certificate No **257-7**

SCOPE of ACCREDITATION

of the

Quality Control Laboratory

of

POLYECO S.A.

Tested materials / products	Types of test / Properties	Applied standards / Techniques
Chemical Testing		
1. Solid Waste	1. Determination of Metals (As, Cd, Co, Cr, Cu, Mn, Ni, Pb, V, Zn, Hg)	In-house method (OX.52-03) based on EPA 200.7:2001 Rev.05
	2. Characterization of waste - Determination of Gross Calorific Value and calculation of Net Calorific Value	CEN/TS 16023:2015
	3. Determination of Polycyclic Aromatic Hydrocarbons (PAH): Acenaphtene, Acenaphthylene, Anthracene, Benzo[a]anthracene, Benzo[a]pyrene, Benzo[b]fluoranthene, Benzo[ghi]perylene, Chrysene, Dibenzo[a.h]anthracene, Fluoranthene, Fluorene, Indeno[1.2.3-cd]pyrene, Naphthalene, Phenanthrene, Pyrene, Sum (PAH)	In-house method (OX.52-38) based on EN 17503:2022 by GC-MS/MS
	4. Determination of Total Organic Carbon (TOC) by dry combustion	EN 15936:2022
	5. Determination of Anions (F, Cl, NO_2, NO_3, PO_4, SO_4, Br)	In-house method (OX.52-01) based on EPA 9056A:2007

Tested materials / products	Types of test / Properties	Applied standards / Techniques
	6. Characterization of waste - Determination of Hydrocarbon content in the range of C_{10}-C_{40}	EN 14039:2004
	7. Self-heating test	UN Test N.4:2009
	8. Determination of Water by Distillation	In-house method (OX.52-33) based on ASTM D95-23
2. Liquid Waste	1. Determination of Metals (As, Cd, Co, Cr, Cu, Mn, Ni, Pb, V, Zn, Hg)	In-house method (OX.52-03) based on EPA 200.7:2001 Rev.05
	2. Characterization of waste - Determination of Gross Calorific Value and calculation of Net Calorific Value	CEN/TS 16023:2015
	3. Determination of Anions (F, Cl, NO_2, NO_3, PO_4, SO_4, Br)	In-house method (OX.52-01) based on EPA 9056A:2007
	4. Determination of pH	In-house method (OX.52-10.1) based on APHA 4500 H, 24$^{th.}$ edition
	5. Determination of COD	In-house method (OX.52-18) based on APHA 5220 D, 24th edition
	6. Determination of BOD	In-house method (OX.52-17) based on APHA 5210 B, 24th edition
	7. Determination of Total Suspended Solids (TSS)	In-house method (OX.52-21) based on APHA 2540 D, 24th edition
	8. Determination of Water by Distillation	In-house method (OX.52-33) based on ASTM D95-23
3. Solid recovered fuels	1. Determination of Calorific Value	ISO 21654:2021
	2. Determination of Metals (As, Cd, Co, Cr, Cu, Mn, Ni, Pb, V, Zn, Hg)	In-house method (OX.52-03) based on EPA 200.7:2001 Rev.05
	3. Determination of Moisture content using the oven dry method	CEN/TS 15414-1:2010
	4. Determination of Ash content	ISO 21656:2021
	5. Determination of the content of Volatile matter	ISO 22167:2021
	6. Determination of Anions (F, Cl, NO_2, NO_3, PO_4, SO_4, Br)	In-house method (OX.52-01) based on EPA 9056A:2007

Tested materials / products	Types of test / Properties	Applied standards / Techniques
4. Alternative raw material	Determination of Metals (As, Cd, Co, Cr, Cu, Mn, Ni, Pb, V, Zn, Hg)	In-house method (OX.52-03) based on EPA 200.7:2001 Rev.05
5. Groundwater	1. Determination of pH	In-house method (OX.52-10.1) based on APHA 4500 H, 24th. edition
	2. Determination of Anions (F, Cl, NO_2, NO_3, PO_4, SO_4, Br)	In-house method (OX.52-01) based on EPA 9056A:2007
	3. Determination of Metals (As, Cd, Cr, Cu, Mn, Ni, Pb, Zn)	In-house method (OX.52-03) based on EPA 200.7:2001 Rev.05
6. Potable water	1. Determination of Anions (F, Cl, NO_2, NO_3, PO_4, SO_4, Br)	In-house method (OX.52-01) based on EPA 9056A:2007
	2. Determination of pH	In-house method (OX.52-10.1) based on APHA 4500 H, 24th. edition
7. Soil, Treated Biowaste and Sludge	Determination of Total Organic Carbon (TOC) by dry combustion	EN 15936:2022
8. Insulating Liquids (Transformer oils)	Determination of Polychlorinated Biphenyl (PCB) concentration)	IEC 61619:1997
9. Petroleum Products	Determination of Water by Distillation	ASTM D95-23
Sampling		
1. Insulating Liquids (Transformer oils)	Sampling for PCB control	EN 60475:2022
2. Waste	Sampling of Waste	EN 14899:2005 CEN/TR 15310-1:2006 CEN/TR 15310-2:2006 CEN/TR 15310-3:2006 CEN/TR 15310-4:2006 CEN/TR 15310-5:2006
Opinion and Interpretation		
Opinion and Interpretation in Chemical analysis: Solid and Liquid Waste and Ilyes	Opinion and Interpretation	In-house procedure OX-52.30 based on ELOT EN ISO/IEC 17025 and EA-4/23:2019 «The Assessment and Accreditation of Opinions and Interpretations using ISO/IEC 17025:2017»

Site of assesesement: **Permanent premises, 16th km Nat. Road Athens-Corinth, Aspropyrgos 19300.**
Approved signatories: **A. Korkolis, K. Papanikola, G. Stagias**

This Scope of Accreditation replaces the previews one dated 21.07.2023.
The Accreditation Certificate No. **257-7**, to ELOT EN ISO/IEC 17025:2017 is valid until 13.03.2027.

Athens, 28.11.2024

Konstantinos Kourtalis
Chairman of E.S.Y.D.