HELLENIC ACCREDITATION SYSTEM

Annex F1/26 to the Certificate No. **165**-9

SCOPE of ACCREDITATION

of the

Laboratory

ALFA TEST,
Aggelou Konstantina Ltd.

Materials/ Products to be tested	Types of test/ Properties to be measured	Applied Standards/ Techniques to be used
Physical and chemical tests		
Soils	1. Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Standard Effort (12,400 ft-lbf/ft^3 (600 kN-m/m^3))	ASTM D698–12 (2021) *E105-86/10
	2. Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Modified Effort (56,000 ft-lbf/ft^3 (2,700 kN-m/m^3))	ASTM D1557–12 (2021) *E105-86/11
	3. Unbound and hydraulically bound mixtures - Part 2: Test methods for laboratory reference density and water content - Proctor compaction	ELOT EN 13286–2:2010/ AC:2012
	4. Standard Test Methods for In-Place Density and Water Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	ASTM D6938–2023
	5. Standard Test Methods for Laboratory Determination of Water (Moisture) Content of Soil and Rock by Mass	ASTM D2216–2019 *E105-86/2
	6. Standard Test Methods for Specific Gravity of Soil Solids by the Water Displacement Method	ASTM D854–2023 *E105-86/4
	7. Standard Test Methods for Liquid Limit, Plastic Limit, and Plasticity Index of Soils	ASTM D4318–2017e1
	8. Geotechnical investigation and testing - Laboratory testing of soil - Part 12: Determination of liquid and plastic limits	ELOT EN ISO 17892-12:2018 / A2:2022

Materials/ Products to be tested	Types of test/ Properties to be measured	Applied Standards/ Techniques to be used
	9. Standard Test Methods for Determining the Amount of Material Finer than 75-μm (No. 200) Sieve in Soils by Washing	ASTM D1140–2017 *E105-86/8
	10. Test method for California Bearing Ratio (CBR)	*E105-86/12
	11. Unbound and hydraulically bound mixtures - Part 47: Test method for the determination of California bearing ratio, immediate bearing index and linear swelling	ELOT EN 13286-47:2022
Aggregates	1. Standard Test Method for Sieve Analysis of Fine and Coarse Aggregates	ASTM C136/C136M–2025
	2. Tests for geometrical properties of aggregates - Part 1: Determination of particle size distribution - Sieving method	ELOT EN 933–1:2012
	3. Standard Test Method for Relative Density (Specific Gravity) and Absorption of Fine Aggregate	ASTM C128–2025
	4. Standard Test Method for Relative Density (Specific Gravity) and Absorption of Coarse Aggregate	ASTM C127–2025 **ΣΚ 301–1985
	5. Standard Test Method for Total Evaporable Moisture Content of Aggregate by Drying	ASTM C566–2019
	6. Standard Test Method for Materials Finer than 75-μm (No. 200) Sieve in Mineral Aggregates by Washing	ASTM C117–2023
	7. Standard Test Method for Sand Equivalent Value of Soils and Fine Aggregate	ASTM D2419–2022
	8. Tests for geometrical properties of aggregates - Part 3: Determination of particle shape - Flakiness index	ELOT EN 933–3:2012
	9. Δοκιμές γεωμετρικών ιδιοτήτων των αδρανών - Μέρος 8: Αξιολόγηση λεπτόκοκκου κλάσματος (παιπάλης) – Δοκιμή ισοδυνάμου άμμου	ΕΛΟΤ EN 933–8:2012+ A1:2015
	10. Tests for geometrical properties of aggregates - Part 4: Determination of particle shape - Shape index	ELOT EN 933–4:2008
	11. Tests for chemical properties of aggregates – Part 1: Chemical analysis – Clause 15.1: Determination of potential presence of humus	ELOT EN 1744–1:2009+ A1:2012, §15.1

Materials/ Products to be tested	Types of test/ Properties to be measured	Applied Standards/ Techniques to be used
	12. Tests for mechanical and physical properties of aggregates - Part 6: Determination of particle density and water absorption	ELOT EN 1097–6:2022
Bituminous Mixtures	1. Bituminous mixtures - Test methods - Part 1: Soluble binder content	ELOT EN 12697–1:2020
	2. Bituminous mixtures - Test methods - Part 2: Determination of particle size distribution	ELOT EN 12697–2:2025
	3. Bituminous mixtures - Test methods - Part 6: Determination of bulk density of bituminous specimens	ELOT EN 12697–6:2020
	4. Bituminous mixtures. Test methods. Part 27: Sampling	ELOT EN 12697–27:2017 §4.3 & §4.7
Fresh concrete	Testing fresh concrete. Part 1: Sampling	ELOT EN 12350–1:2019
Mechanical Properties		
Aggregates	1. Standard Test Method for Resistance to Degradation of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	ASTM C131/C131M–2020
	2. Tests for mechanical and physical properties of aggregates - Part 1: Determination of the resistance to wear (micro-Deval)	ELOT EN 1097–1:2024
	3. Tests for mechanical and physical properties of aggregates - Part 2: Methods for the determination of resistance to fragmentation	ELOT EN 1097–2:2020
	4. Tests for geometrical properties of aggregates - Part 9: Assessment of fines - Methylene blue test	ELOT EN 933–9:2022
	5. Tests for thermal and weathering properties of aggregates - Part 2: Magnesium sulfate test	ELOT EN 1367–2:2010
Concrete	1. Compressive strength of cubic specimens (150×150×150 mm^3)	**ΣΚ 304–1896
	2. Compressive strength of core specimens of concrete after capping	**ΣΚ 304–1986 Circular E7–1997 ASTM C617/C617M–2023
	3. Testing hardened concrete. – Part 2 : Making and curing specimens for strength tests	ELOT EN 12390–2:2019
	4. Testing hardened concrete – Part 3 : Compressive strength of test specimens	ELOT EN 12390–3:2019
	5. Testing hardened concrete. – Part 8 : Depth of penetration of water under pressure	ELOT EN 12390–8:2020

Materials/ Products to be tested	Types of test/ Properties to be measured	Applied Standards/ Techniques to be used
	6. Testing concrete in structures- Part 1: Cored specimens. Taking, examining and testing in compression	ELOT EN 12504–1:2020
	7. Testing hardened concrete - Part 5: Flexural strength of test specimens (150×150×600 mm^3)	ELOT EN 12390–5:2019
Bituminous Mixtures	Bituminous mixtures - Test methods - Part 34: Marshall test	ELOT EN 12697–34:2020
Cement	Methods of testing cement – Part 1 : Determination of strength	ELOT EN 196–1:2016
Repair mortar (specimens prepared by customers)	Products and systems for the protection and repair of concrete structures - Test methods - Determination of compressive strength of repair mortar	ELOT EN 12190:1999 Determination of compressive strength according to ELOT EN 196-1:2016

* *E105: Soilmechanics Specifications of Laboratory Testings of Ministry for the Environment, Physical Planning and Public Works (GG 955/86).*
** ΣΚ: Concrete Specifications of Laboratory Testings of Ministry for the Environment, Physical Planning and Public Works.

Site of assessment: **Laboratory Permanent premises, Stratou Str., Spata, Attiki, Greece**
Approved signatory**: K. Aggelou**

This Scope of Accreditation replaces the previous one dated 22.05.2025.
The Accreditation Certificate No. **165**-10, to ELOT EN ISO/IEC 17025:2017, is valid until 24.06.2029.

Athens, 10.08.2026

Konstantinou Evangelos Apostolos
CEO of ESYD