Hellenic Accreditation System

Annex F1/23 to the Certificate No. **23**-8

SCOPE of ACCREDITATION

of the

Testing Laboratory

of

Group Research, Innovation and Quality Department

of

TITAN Cement Company S.A.

Tested materials/ Products	Types of test/ Properties to be measured	Applied standards/Techniques to be used
Chemical tests		
Coal	Determination of total moisture	ISO 589:2008, Method A2
Coke	Moisture determination	ISO 687:2024
Coal/Coke	Determination of total sulfur	ISO 334:2020
Solid mineral fuels	1.Determination of ash content	ISO 1171:2024
	2.Determination of total carbon, hydrogen and nitrogen	ISO 29541:2025
	3.Determination of gross calorific value and calculation of net calorific value	ISO 1928:2025
Raw meal	1.CO_2 determination	In house method based on ELOT EN 196-2 :2013 §4 (M43)
		In house method with the use of Differential Scanning calorimetry – Thermogravimetry (M45)
	2.Determination of major elements	In house method based on ELOT EN 196-2:2013 §4 (M44)
	3.Determination of total organic carbon (TOC)	In house method based on ELOT EN 13639:2017 §6 (M46)
Cement	1.Determination of major elements	ELOT EN 196-2:2013 §4
	2.Determination of the water – soluble chromium (VI)	ELOT EN 196-10:2016
	3.Determination of total organic carbon (TOC)	In house method based on ELOT EN 13639:2017 §8 (M46)

Tested materials/ Products	Types of test/ Properties to be measured	Applied standards/Techniques to be used
Limestone	Determination of total organic carbon (TOC)	ELOT EN 13639:2017
Clinker	Determination of total organic carbon (TOC)	In house method based on ELOT EN 13639:2017 §8 (M46)
Aggregates	Tests for geometrical properties of aggregates Part 9: Assessment of fines – Methylene Blue Test	ELOT EN 933-9:2022
Physical tests		
Aggregates	1.Particle size distribution of aggregates	ELOT EN 933-1:2012
	2.Tests for geometrical properties of aggregates Part 8: Assesement of fines – Sand equivalent test	ELOT EN 933-8: 2012+A1:2015
	3.Tests for geometrical properties of aggregates Part 4: Determination of particle shape – Shape index	ELOT EN 933-4: 2008
	4.Tests for geometrical properties of aggregates Part 3: Determination of particle shape – Flakiness index	ELOT EN 933-3: 2012
Fresh Concrete	1. Testing fresh concrete Part 2: Slump test	ELOT EN 12350-2:2019
	2. Testing fresh concrete .Part 3: Vebe test	ELOT EN 12350-3:2019
Hardened Concrete	Testing hardened concrete. Part 2: Making and curing specimens for strength tests	ELOT EN 12390-2:2019
	Testing hardened concrete - Part 8: Depth of penetration of water under pressure	ELOT EN 12390-8:2019
Mechanical tests		
Hardened Concrete	Testing hardened concrete - Part 3: Compressive strength of test specimens	ELOT EN 12390-3:2019

Site of assessment: **Permanent laboratory premises, Kamari Plant, Elefsis**
Approved signatories: **Katerina Issari, Sofia Karamanou**

This Scope of Accreditation replaces the previous one dated 17.12.2025.
The Accreditation Certificate No. **23**-8, to ELOT EN ISO/IEC 17025:2017,has been renewed according to ESYD's decision and it is valid until 04.07.2030.

Athens, 12.05.2026

Konstantinou Evangelos Apostolos
CEO of ESYD