Hellenic Accreditation System

Annex F1/21 to the Certificate No. **117**-7

SCOPE of ACCREDITATION

of the

Testing Laboratories

of the

GREEK ATOMIC ENERGY COMMISSION (EEAE)

Materials / Products to be tested	Types of test / Properties to be measured	Applied Methods / Techniques to be used
Electrical tests		
Measurements in the vicinity of electric power transmission and distribution lines, in the vicinity of electric power system substations and close to electric installations, machinery and appliances.	Measurement of low-frequency magnetic and electric fields (5 Hz to 32 kHz): - Electric field strength (E) - Magnetic flux density (B)	ELOT EN 61786-1:2014 IEC 61786-2:2014 Common Ministerial Decision 3060 (FOR) 238 (Hellenic Gazette 512/B/25-4-2002)
Measurements in the vicinity of communication antennas, radio and television station antennas, mobile telephone base stations, radars, microwave wireless network stations.	Measurement of high frequency electromagnetic fields: - Electric field strength (E) (100 kHz to 40 GHz) - Magnetic field strength (H). (3 kHz –to1 GHz) - Power density (P) (10 MHz to 40 GHz)	Common Ministerial Decision 2300 (EFA) 493 (Hellenic Gazette 346/B/3-3-2008)

Materials / Products to be tested	Types of test / Properties to be measured	Applied Methods / Techniques to be used
Physical tests		
Personal whole body, extremity and eye lens thermoluminescence dosemeters	Measurement of dose equivalent in depth: 10 mm, Hp(10) for photon radiation 3 mm, Hp(3) for photon radiation 0,07 mm, Hp(0.07) for photon and beta-particle radiation	In house method based on: ICRP 75:1997 IAEA GSR Part 3:2014 IAEA GSG-7:2018 EC RP 160:2009 PD 101/2018 (A' 194) IEC 62387:2020
1. Foodstuffs & feedingstuffs, consumer products, urine, building materials, industrial products, soil, environmental samples with densities: 40 kg/m^3 – 2000 kg/m^3 2. Smear tests and air filters with diameter: (40 – 50) mm	Radioactivity measurements in samples by gamma spectroscopic analysis, based on a Hight Purity Germanium detector (HPGe) Range: 55 to 1800 KeV	ELOT EN ISO 18589-3:2024 ISO 10703:2021 IAEA TRS 295:1989 PD 101/2018 (A' 194) ISO 20042:2019
Passive CR-39 detectors	Indoor Area Radon Concentration Range: 25 to 10000 kBq*h/m^3 Exposure time: 3 to12 months	ISO 11665-1: 2019 ISO 11665-4: 2021 NRPB-R283:1996 PD 101/2018 (A' 194)
Drinking water, underground and surface water, wastewater and urine samples	Determination of uranium isotopes activity concetration in liquid samples by alpha-spectrometry Range: 3,75 to 8,88 MeV	ISO 13166:2020 Common Ministerial Decision Π/112/1057/2016 (Hellenic Gazette 241/B/09.02.2016) PD 101/2018 (A' 194)

Site of assessment: **Permanent laboratory premises, P. Gregoriou E' & Neapoleos, Ag. Paraskevi, Greece.**

Approved Signatories: **D. Koutounidis, E. Carinou, E. Karabetsos, A. Boziari, K. Potiriadis, K. Kehagia, M. Kolovou.**

This Scope of Accreditation replaces the previous one dated 21.07.2023.
The Accreditation Certificate No. **117**-7, to ELOT EN ISO/IEC 17025:2017, is valid until 21.01.2028.

Athens, 03.06.2026

Konstantinou Evangelos Apostolos
CEO of ESYD