Hellenic Accreditation System

Annex F1/A12 to the Certificate No.**788**-3

SCOPE of ACCREDITATION

of the

GAMMA SPECTROSCOPY LABORATORY

of

LEBANESE ATOMIC ENERGY COMMISSION (LAEC)

of

NATIONAL COUNCIL FOR SCIENTIFIC RESEARCH (CNRS)

Materials/Products tested	Types of test/Properties measured	Applied methods/Techniques used
Chemical tests		
1. Environmental samples [soil, water, sediment] 2.Consumable products [dry organic based on $C_6H_{12}O_6$ (wheat, milk powder, dry grass, rice, etc), wet organic based on water (vegetables, fruits, milk, etc)]	1. Radionuclides identification and activity calculation (over the energy range 40 – 2.000 keV)	γ-RM-AM-1 standard method (CEI/IEC 1452:1995) using gamma spectrometer with HPGe detectors: set A, set B, set C
	2.Total gamma measurement (over the energy range 20-2.000 keV) a. Total gamma (counts per second) b. Net count rate at Cs-137 window c. Net count rate at K-40 window	γ-TG-AM-2 in-house developed method using gamma spectrometer with NaI detectors: set B, set C, set D

Site of assessment: **Laboratory permanent premises, Airport Main Road, P.O. 11-8281, Beirut, Lebanon.**
Approved signatories: **Omar El Samad, Rola Bou Khozam**.

The Accreditation Certificate No.**788**-3, to EN ISO/IEC 17025:2017, **has been extended until 16.05.2025.**

Athens, September 16, 2024

Christos Nestoras
CEO of ESYD