Hellenic Accreditation System

Annex F1/14 to the Certificate No. **377**-6

SCOPE of ACCREDITATION

of the

Testing Laboratory

ANDREOU K. P.C.

Tested materials / products	Types of test / Properties to be measured	Applied Methods / Techniques to be used
Chemical Tests		
1. Waters and wastewaters 2. Waters and sewages 2. Waters and wastewaters (of low organic load without digestion)	1. Determination of pH	SMEWW * 4500-H^+ / Electrometry
	2. Determination of electrical conductivity	SMEWW * 2510 B / Electrometry
	3. Determination of ammonium	MERCK 1.14752 analogous to SMEWW – 4500 – NH_3 – part D/ Spectrophotometry
	4. Determination of nitrates	MERCK 1.09713 / Spectrophotometry
	5. Determination of orthophosphates	MERCK 1.14848 analogous to SMEWW analogous to SMEWW – 4500 – P – part E/ Spectrophotometry
	6. Determination of silicates	MERCK 1.1494 / analogous to SMEWW – 4500 – Si – part E / Spectrophotometry
	7. Determination of chlorides	SMEWW – 4500 – Cl^- – part B / Titration
	8. Determination of the total dissolved solids (TDS)	SMEWW – 2540 – part C / Gravimetric
	9. Determination of the total suspended solids (TSS)	*Laboratory method code: WP.M.035* in house based on ISO11923 / Gravimetric
	10. Determination of chemical oxygen demand (COD)	*Laboratory method code: WP.M.036* in house based on SMEWW – 5220 – part B / Open bottle - Titration
	11. Determination of nitrites	MERCK 1.14776 analogous to SMEWW – 4500 – NO_2^- – part B / Spectrophotometry
	12. Determination of calcium	*Laboratory method code: WP.M.022* In house method based on ASTM D 511-2014 / Atomic Absorption - Flame
	13. Determination of magnesium	*Laboratory method code: WP.M.023*

Tested materials / products	Types of test / Properties to be measured	Applied Methods / Techniques to be used
		In house method based on ASTM D 511-2014 / Atomic Absorption - Flame
	14. Determination of sodium	*Laboratory method code: WP.M.021* In house method based on ASTM D 4191- 2015, ASTM D 3561-2011 / Atomic Absorption - Flame
	15. Determination of potassium	*Laboratory method code: WP.M.020* In house method based on ISO 9964-3:1993 (E) / Atomic Absorption - Flame
	16. Determination of copper	*Laboratory method code: WP.M.018* In house method based on ASTM D 1688-2012 / Atomic Absorption - Flame
	17. Determination of zinc	*Laboratory method code: WP.M.019* In house method based on ASTM D 1691-2012 / Atomic Absorption - Flame
	18. Determination of cadmium	*Laboratory method code: WP.M.061* In house method based on ISO 15586 : 2003 / Atomic Absorption – Graphite furnace
	19. Determination of manganese	ISO 15586:2003 / Atomic Absorption – Graphite furnace
4. Foods and feedstuffs	1. Determination of Kjeldahl nitrogen	*Laboratory method code: WP.M.040* In house method based on AOAC 928.08 II / Titration
	2. Determination of total fat content	*Laboratory method code: WP.M.044* In house method / Gravimetric
	3. Determination of moisture content	*Laboratory method code: WP.M.039* In house method based on ISO 1442:1997/ Gravimetric
	4. Determination of ash	*Laboratory method code: WP.M.046* In house method based on AOAC 900.02 and 923.03 / Gravimetric
	5. Determination of sodium content	*Laboratory method code:WP.M.033 & 021* In house method based on AOAC 985.35 / Atomic Absorption - Flame
5. Ceramic articles intended to come into contact with foodstuffs	1. Determination of cadmium migration	*Laboratory method code: WP.M.043* In house method based on *APHA*[*] 3500-Cd-B and on the article 25 of C.A. / Atomic Absorption - Flame
	2. Determination of lead migration	*Laboratory method code: WP.M.049* In house method based on *APHA*[*] 3500-Pb-B and on the article 25 of C.A. / Atomic Absorption - Flame

(*)SMEWW: Standard Methods for the Examination of Water and Wastewater

Athens, Greece

Approved signatories: **C. Andreou, St. Andreou**

This scope of Accreditation replaces the previous one, dated 28.02.2024.
The Accreditation Certificate No. **377**-6, according to ELOT EN ISO/IEC 17025:2017, has been renewed until 05.09.2028.

Athens, 2nd of September 2024

Christos Nestoras
CEO of ESYD