

**LIST OF ACCREDITED ACTIVITIES WITHIN THE FLEXIBLE SCOPE**

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Tested Materials / Products	Types of test/ Properties measured	Applied methods/ Techniques used	DATE OF INTRODUCTION	DATE OF LAST MODIFICATION
1. Water and wastewater	1. Determination of Conductivity (*)	<i>APHA 2510 B<sup>1</sup></i>	13/03/2001	
	2. Determination of Alkalinity	<i>In house method O.106 based on APHA 2320 B</i>	13/03/2001	
	3. Determination of pH (*)	<i>APHA 4500-H<sup>+1</sup></i>	13/03/2001	
	4A. Determination of Ammonium (*)	<i>APHA 4500-NH<sub>3</sub>F<sup>1</sup></i>	13/03/2001	
	4B. Determination of Ammonium (*)	<i>In house method O.304 based on DIN 38406-E5-1 and ISO 7150-1</i>	27/05/2011	
	5. Determination of Sulfates (*)	<i>In house method O.306 based on APHA 4500-SO<sub>4</sub></i>	13/03/2001	
	6. Determination of Nitrates (*)	<i>In house method O.305 based on DIN 38405-D9-2 &amp; ISO 7890-1-2</i>	12/04/2002	
	7. Determination of Nitrites (*)	<i>In house method O.301 based on APHA 4500-NO<sub>2</sub>B</i>	26/09/2005	
	8. Determination of Silicates	<i>APHA 4500-SiO<sub>2</sub>C<sup>1</sup></i>	13/03/2001	
	9. Determination of Chloride (*)	<i>APHA 4500-Cl B<sup>1</sup></i>	13/03/2001	
	10. Determination of Turbidity (*)	<i>In house method O.114 based on APHA 2130 B</i>	27/05/2011	
	11. Determination of C.O.D.	<i>In house method O.308 based on DIN 38409-H41 &amp; ISO 6060</i>	27/05/2011	

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	12. Determination of Cyanides (*) (total, free)	<i>In house method O.309</i>	29/05/2012	
	13. Determination of Carbonate	<i>In house method O.106 based on APHA 2320 B</i>	02/08/2013	
	14. Determination of Bicarbonate	<i>In house method O.106 based on APHA 2320 B</i>	02/08/2013	
	15. Determination of Total Solids (*)	<i>APHA 2540B<sup>1</sup></i>	12/12/2014	
	16. Determination of Total Dissolved Solids	<i>APHA 2540C<sup>1</sup></i>	12/12/2014	
	17. Determination of Total Suspended Solids	<i>APHA 2540D<sup>1</sup></i>	12/12/2014	
	18. Determination of Total Nitrogen	<i>In house method O.314/ (photometry)</i>	23/02/2017	
	19. Determination of Total Phosphorus	<i>In house method O.315/ (photometry)</i>	23/02/2017	
	20. Determination of Anions : Bromide, Nitrate (*), Sulphate (*), Fluoride (*), Phosphate (*), Chloride (*)	<i>In house method O.628 by Ion Chromatography</i>	23/04/2013	
	26. Determination of Cr (VI)	<i>EPA 7196 A</i>	29/05/2012	
	27. Determination of Phenols	<i>In house method O.311 based on APHA 5530</i>	03/02/2022	

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	28. Determination of Total Hardness (calculation)	<i>APHA 2340B<sup>1</sup></i>	03/02/2022	
	29. Determination of Anionic Surfactants (MBAS)	<i>In house method O.321 based on APHA 5540 C</i>	16/03/2023	
	30. Determination of Oil & Grease	<i>In house method O.148 based on EPA 1664</i>	13/05/2025	
2. Water and wastewater	Determination of metals (Al*, As*, Ba, Be, Ca, Cd*, Co, Cr*, Cu*, Fe*, K, Mg, Mn*, Mo, Na*, Ni*, P, Pb*, Sb*, Se*, Sn, Sr, <u>Ti</u> , Tl, V, Zn, B*, U*, Hg*, Li)	<i>In house method O.520 based on EPA Method 6020B, ISO 17294-1:2004 &amp; ISO 17294-2:2016 / ICP-MS</i>	03/02/2020	
3. Potable, surface and ground water	1. Determination of Total Hardness (as CaCO <sub>3</sub> )	<i>ELOT 170:1980</i>	13/03/2001	
	2. Determination of Boron (*)	<i>APHA 4500-B B</i>	29/05/2012	
	3. Determination of Bromates (*)	<i>In house method O.624</i>	29/05/2012	
	4. Determination of Acrylamide (*)	<i>In house method O.625</i>	29/05/2012	
	5. Determination of Trihalomethanes (*) (Chloroform, Dichlorobromomethane, Chlorodibromomethane, Bromoform), 1,2-Dichloroethane (*), Trichloroethene (*), Tetrachloroethene (*), Benzene (*), Vinylchloride (*)	<i>In house method O.617</i>	29/05/2012	
	6. Determination of Epichlorohydrin (*)	<i>In house method O.630 based on EN 14207</i>	12/12/2014	

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	7. Determination of Color	<i>APHA 2120 C<sup>l</sup></i>	23/04/2013	
	8. Determination of Chlorine residual (total, free) (*)	<i>In house method O.312</i>	23/04/2013	
	9. Determination of Oxidisability (*) (Permanganate index value)	ELOT 827	23/04/2013	
	10. Determination of 16 Polycyclic Aromatic Hydrocarbons: Acenaphthene, Acenaphthylene, Anthracene, Benzo[a]anthracene, Benzo[a]pyrene(*), Benzo[b]fluoranthene(*), Benzo[ghi]perylene(*), Benzo[k]fluoranthene(*), Chrysene, Dibenzo[a,h]anthracene, Fluoranthene, Fluorene, ` Indeno[1.2.3-cd]pyrene(*), Naphthalene, Phenanthrene, Pyrene	<i>In house method O.631 based on EPA 525.3</i>	12/12/2014	
3. Pool water	Determination of Chlorine residual (total, free) (*)	<i>In house method O.312</i>	23/04/2013	
4. Foodstuffs and drinks ESYD G-	1. Determination of metals (As, Ca, Cd**, Cr, Cu, Fe, Hg**, K, Mg, Mn, Na, Ni**, P, Pb**, Se, Sn**, Zn)	<i>In house method O.521 based on AOAC 2015.01 / ICP-MS</i>	24/07/2017	19/11/2025 (Ni determination)

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METALS/01/01/20-10-2016	2. Determination of Sorbic and Benzoic acid	<i>In house method O.608 / HPLC</i>	27/05/2011	
	3. Determination of Total Sugars and Sugars' Profile: fructose, galactose, glucose, sucrose, maltose, lactose	<i>In house method O.613</i>	16/03/2023	
5. Dried nuts, cereals and their products	Determination of Aflatoxins B1, B2, G1, G2	<i>In house method O.603 based on AOAC 991.31:2000</i>	20/06/2008	
6. High carbohydrate content food, Wine	Determination of Ochratoxin A	<i>In house method O.622</i>	29/05/2012	
7. Fish, wine	Determination of Histamine	<i>In house method O.611</i>	24/07/2017	
8. Cereals and their products	Determination of Propionic acid	<i>In house method O.600</i>	12/12/2014	
9. Cereals and their products, potato and its products	Determination of Acrylamide	<i>In house method O.637 based on method of QuEChERS (AOAC)</i>	24/07/2017	
10. Foods, Fats and Oils	Composition of Fatty Acids (saturated, unsaturated, monounsaturated, polysaturated, trans, $\Omega 3$ & $\Omega 6$ )	<i>In house method O.606 based on AOAC 996.06</i>	03/02/2022	
11. Bakery Products, Cereal Products, Cinnamon, Mahlab	Determination of Coumarin	<i>In house method O.614 / HPLC/UV-DAD</i>	16/03/2023	

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12. Animal feeds	Determination of Metals (As, Ca, Cd, Cu, Fe, Hg, Mg, Mn, Na, P, Pb, Zn)	In house method O.521 based on AOAC 2015.01	16/03/2023	
13. Materials in contact with foodstuffs	1. Specific migration of metals into simulant 3% acetic: Al, As, Ba, Ca, Cd, Co, Cr, Cu, Eu, Fe, Gd, Hg, K, La, Li, Mg, Mn, Na, Ni, Pb, Sb, Tb, Zn	<i>In house method O.522 based on ISO 17294-1:2004 &amp; ISO 17294-2:2016 / ICP-MS</i>	03/02/2022	
	2. Specific migration of Bisphenol A into aqueous simulants (A, B,C) and simulant D <sub>1</sub> (50% ethanol), into simulant Ethanol 95% and simulant D <sub>2</sub> (vegetable oil)	<i>In house method O.634/ HPLC-FLD</i>	23/02/2017	
	3. Specific migration of 10 Phthalate Esters into simulant D <sub>2</sub> (vegetable oil): DMP: Dimethyl Phthalate DEP: Diethyl Phthalate DIBP: Diisobutyl Phthalate DBP: Dibutyl Phthalate BBP: Benzyl-butyl Phthalate DEHP: Bis (2-ethylhexyl) phthalate DCHP: Dicyclohexyl Phthalate DNOP: Di-n-octyl Phthalate DINP: Diisononyl Phthalate DIDP: Diisodecyl Phthalate	<i>In house method O.644 based on EN 13130-1:2004 &amp; Food Additives and Contaminants, 1999, Vol. 16, No. 5, 197-206</i>	24/07/2017	
	4. Specific migration of isophthalic and terephthalic acid into aqueous simulants (A, B, C) and simulant D <sub>1</sub> (50% ethanol) and simulant D <sub>2</sub> (vegetable oil)	<i>In house method O.650 based on EN 13130-2</i>	03/02/2022	

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1. Water for human consumption, surface water, groundwater, pool water, sea water	1. Detection and enumeration of <i>Escherichia coli</i> and coliform bacteria	ISO 9308-1:2014	12/04/2002	
	2. Detection and enumeration of intestinal enterococci	ISO 7899-2:2000	12/04/2002	
	3. Enumeration of culturable micro-organisms at 22±2 °C and at 36±2 °C	ISO 6222:1999	12/04/2002	
2. Water for human consumption, surface water, groundwater, pool water	1. Detection and enumeration of <i>Pseudomonas aeruginosa</i>	ISO 16266:2006	26/09/2005	
	2. Detection and enumeration of <i>Cl. perfringens</i> (including spores)	ISO 14189:2013	13/03/2001	
3. Water with a low concentration of interfering microorganisms (Matrix A)	Enumeration of Legionella	ISO 11731:2017 (Annex J, Procedure 1, Medium A-BCYE & B-BCYE+AB)  (Annex J, Procedures 5,7, 8,9,10, Medium A-BCYE & C – GVPC)	12/12/2014	
4. Water with a high concentration of interfering microorganisms (Matrix B)	Enumeration of Legionella	ISO 11731:2017 (Annex J, Procedures 8,9,10, Medium C – GVPC)	12/12/2014	
5. Water with extremely high concentration of interfering microorganisms (Matrix C)	Enumeration of Legionella	ISO 11731:2017 (Annex J, Procedures 4, 14, Medium C – GVPC)	12/12/2014	
6. Wastewater	1. Enumeration of Total coliforms	APHA 9222B <sup>1</sup>	03/02/2022	

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Tested Materials / Products	Types of test/ Properties measured	Applied methods/ Techniques used	DATE OF INTRODUCTION	DATE OF LAST MODIFICATION
	2. Enumeration of Fecal coliforms	<i>APHA 9222D<sup>1</sup></i>	03/02/2022	
	3. Enumeration of Total coliforms and E. Coli	<i>ISO 9308-1:2014</i>	03/02/2022	
7. Food and animal feeding stuffs	1. Enumeration of Total coliforms	<i>ISO 4832:2006</i>	13/03/2001	
	2. Detection and Enumeration of <i>Escherichia coli</i>	<i>ISO 7251:2005</i>	13/03/2001	
	3. Detection of <i>Listeria monocytogenes</i>	<i>ISO 11290-1:2017</i>	13/03/2001	
	4. Detection of <i>Salmonella</i> spp. (ex svs typhi, paratyphi)	<i>ISO 6579-1:2017</i>	13/03/2001	
	5. Enumeration of coagulase positive Staphylococcus	<i>ISO 6888-2:2021</i>	13/03/2001	
	6. Enumeration of microorganisms -- Colony-count technique at 30° C	<i>ISO 4833-1:2013</i>	13/03/2001	
	7. Enumeration of <i>Bacillus cereus</i>	<i>ISO 7932:2004</i>	26/09/2005	
	8. Detection and Enumeration of <i>Clostridium perfringens</i>	<i>ISO 15213-2:2023</i>	26/09/2005	
	9. Enumeration of <i>Enterobacteriaceae</i>	<i>ISO 21528-2:2017</i>	26/09/2005	
	10. Enumeration of <i>Escherichia coli</i>	<i>ISO 16649-2:2001</i>	26/09/2005	
	11. Enumeration of <i>Listeria monocytogenes</i>	<i>ISO 11290-2:2017</i>	01/06/2007	
	12. Enumeration of beta-glucuronidase-positive <i>Escherichia coli</i> (MPN technique)	<i>ISO 16649-3:2015</i>	29/05/2012	



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Tested Materials / Products	Types of test/ Properties measured	Applied methods/ Techniques used	DATE OF INTRODUCTION	DATE OF LAST MODIFICATION
9. Food and animal feeding stuffs with $a_w > 0,95$	Enumeration of yeasts and moulds	ISO 21527-1:2008	12/12/2014	
10. Food and animal feeding stuffs with $a_w \leq 0,95$	Enumeration of yeasts and moulds	ISO 21527-2:2008	12/12/2014	
11. Animal faeces and environmental samples from the primary production stage	Detection of non-typhoidal -paratyphoid <i>Salmonella</i> spp.	ISO 6579-1:2017	27/05/2011	
12. Products intended for human consumption, animal feeding & environmental samples in the area of food and feed production	Enumeration of <i>Campylobacter</i> spp.	ISO 10272-2 :2017	12/12/2018	

**\* Methods marked with (\*) are in accordance with the method specification of Common Ministerial Decision D1 (δ)/ΓΠ 27829/2023 (ΦΕΚ 3525/Β/25-5-2023) and the Directive (EU) 2020/2184 concerning the quality of of water intended for human consumption.**

**\*\* Methods marked with (\*\*) are in accordance with the method specification of European Commission EC/333/2007 and its amendments..**

1. American Public Health Association, American Water Works Association, Water Environment Federation, "Standard Methods for the Examination of Water and Wastewater", 23<sup>rd</sup> Edition, 2017.

2. AOAC: Association of Analytical Communities

3. EPA: Environmental Protection Agency

**LAST UPDATE:**
**19/11/2025**