



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

LABORATORIO LASA
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BIOLOGICAL

Valid To: February 28, 2026

Certificate Number: 5524.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests:

<u>Test</u>	<u>Internal Method</u>	<u>Reference Method(s)</u>	<u>Matrices</u>
Aerobic Mesophiles – Pour Plate	PEE.LASA.MB.03	FDA BAM CH. 3	Milk & Derivatives, Foods, Vegetables
Bacterial Endotoxin Test – kinetic chromogenic LAL	PEE.LASA.MB.52	USP 41 CH <85>	Dialysis water Water supply
Detection of Bile- Tolerant Gram-Negative Bacteria (Enterobacteriaceae)	PEE.LASA.MB.22	USP 41 CH <62>	Cosmetics, Nonsterile Products
Detection of <i>Candida albicans</i>	PEE.LASA.MB.22	ISO 18416	Cosmetics
Detection of <i>Escherichia coli</i>	PEE.LASA.MB.22	ISO 21150	Cosmetics
Detection of <i>E. coli</i> Petrifilm Plates	PEE.LASA.MB.12b	AOAC 991.14 ISO 18593: 2018	Inert Surfaces (Regular and Irregular), Living Surfaces (Hands)
Detection of <i>Listeria monocytogenes</i> GDS	PEE.LASA.MB.45	AOAC PTM 070702	Inert Surfaces (Regular and Irregular), Living Surfaces (Hands)
Detection of <i>Listeria</i> spp. Petrifilm Plates	PEE.LASA.MB.12b	AOAC-RI-No 030601	Inert Surfaces (regular and irregular), Living Surfaces (Hands)
Detection of <i>Pseudomonas aeruginosa</i>	PEE.LASA.MB.22	ISO 22717	Cosmetics
Detection of <i>Salmonella</i> spp.	PEE.LASA.MB.05	BAM CH 5	Milk & Derivatives, Foods, Vegetables
Detection of <i>Salmonella</i> spp.	PEE.LASA.MB.22	USP 41 CH <62>	Cosmetics, Nonsterile Products

<u>Test</u>	<u>Internal Method</u>	<u>Reference Method(s)</u>	<u>Matrices</u>
Detection of <i>Salmonella</i> spp.	PEE.LASA.MB.12b	FDA BAM CH. 5	Inert Surfaces (Regular and Irregular), Living Surfaces (Hands)
Detection of <i>Salmonella</i> spp. GDS	PEE.LASA.MB.30	AOAC 2009.03	Inert Surfaces (Regular and Irregular), Living Surfaces (Hands)
Detection of <i>Staphylococcus aureus</i>	PEE.LASA.MB.22	ISO 22718	Cosmetics
Enterobacteriaceae Petrifilm Plates	PEE.LASA.MB.21	AOAC 2003.01	Milk & Derivatives, Foods, Vegetables
Enumeration of Aerobic Mesophilic Bacteria Plate Count	PEE.LASA.MB.22	ISO 21149	Cosmetics
Enumeration of Aerobic Mesophilic Petrifilm Plates	PEE.LASA.MB.12b	AOAC 990.12 ISO 18593: 2018	Inert Surfaces (Regular and Irregular), Living Surfaces (Hands)
Enumeration of Bile- Tolerant Gram-Negative Bacteria (Enterobacteriaceae) Plate Count	PEE.LASA.MB.22	USP 41 CH <62>	Cosmetics, Nonsterile Products
Enumeration of Enterobacteriaceae Petrifilm Plates	PEE.LASA.MB.12b	AOAC 2003.01 ISO 18593: 2018	Inert surfaces (Regular and Irregular), Living Surfaces (Hands)
Enumeration of Total Coliforms Petrifilm Plates	PEE.LASA.MB.12b	AOAC 991.14 ISO 18593: 2018	Inert Surfaces (Regular and Irregular), Living Surfaces (Hands)
Enumeration of Total Coliforms Plate Count	PEE.LASA.MB.22	NTE INEN 1529-7	Cosmetics, Nonsterile Products
Enumeration of Yeast and Mold Plate Count	PEE.LASA.MB.04	BAM CH 18	Milk & Derivatives, Foods, Vegetables
Enumeration of Yeast and Mold Plate Count	PEE.LASA.MB.22	ISO 16212	Cosmetics
<i>E. coli</i> O157:H7 – GDS	PEE.LASA.MB.44	AOAC 2005.04	Meat & Derivatives, Vegetables
<i>E. coli</i> Petrifilm Plates	PEE.LASA.MB.20	AOAC 991.14	Milk & Derivatives Foods, Vegetables
<i>L. monocytogenes</i> – GDS	PEE.LASA.MB.45	AOAC PTM 070702	Meat & Derivatives, Milk & Derivatives, Foods, Vegetables
<i>Listeria</i> spp. – Immunochromatographic	PEE.LASA.MB.17	AOAC 997.03	Meat & Derivatives, Milk & Derivatives, Foods, Vegetables

<u>Test</u>	<u>Internal Method</u>	<u>Reference Method(s)</u>	<u>Matrices</u>
Microbial Air Monitoring Aerobic Mesophiles Mold and Yeast	PEE.LASA.MB.47	IRAM 14071-1 IRAM 14071-2	Air
Microbial Air Monitoring Sedimentation and Impact technique	PEE.LASA.MB.47	IRAM 14071-1 IRAM 14071-2	Air
Microbial Sampling of Inert and Living Surfaces (Hands)	PEE.LASA.MB.12a	ISO 18593:2018 Resolución Ministerial 461- 2007/MINSA	Inert & Living Surfaces (Regular and Irregular),
<i>Salmonella</i> – GDS	PEE.LASA.MB.30	AOAC 2009.03	Meat & Derivatives, Foods, Vegetables
Sampling Techniques of Foods	PEE.LASA.MB.42	ISO/TS 17728:2015	Vegetables, Prepared Foods
<i>S. aureus</i> – Direct Plate Count	PEE.LASA.MB.06	BAM CH 12	Milk & Derivatives, Foods, Vegetables
Total Coliforms Petrifilm Plates	PEE.LASA.MB.20	AOAC 991.14	Milk & Derivatives, Foods, Vegetables



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CHEMICAL

Valid To: February 28, 2026

Certificate Number: 5524.02

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests:

FOODS

<u>Test</u>	<u>Internal Method(s)</u>	<u>Reference Method(s)</u>	<u>Matrices</u>
Acidity (volumetric)	PEE.LASA.FQ.16a	AOAC 942.15	Non-alcoholic Beverages, carbonated, Fruits and derivates
		AOAC 925.53	Vegetables
		AOAC 935.57	Sauces and Dressings Vinegar
	PEE.LASA.FQ.16b	AOAC 947.05 NTE INEN 303	Milk and Milk Products
Alcohol (densitometric)	PEE.LASA.BR.43	INEN 340 AOAC 982.10	Alcoholic Beverages
	PEE.LASA.INS.13		Cosmetics and pharmaceuticals Products
Alcohol by GC - FID	PEE.LASA.INS.13	INEN 340 AOAC 982.10	Cosmetics and pharmaceuticals Products
Ash - Gravimetric	PEE.LASA.FQ.10-c1	AOAC 923.03	Cereal and Cereal Products
	PEE.LASA.FQ.10-c2	AOAC 920.153	Meat and Meat Products, Sea Products
	PEE.LASA.FQ.10-c3	AOAC 945.46 AOAC 935.42 AOAC 930.30	Milk and Milk Products
	PEE.LASA.FQ.10-c4	AOAC 942.05	Animal Feed
Caffeine by HPLC - UV/VIS	PEE.LASA.BR.36	AOAC 980.14 AOAC 960.25	Carbonated Beverages, Non-carbonated Beverages, Tea, Coffee
Cholesterol by GC - FID	PEE.LASA.INS.02	AOAC 994.10	Meat Products, Milk Products, Sauces, Dressings, Cereal, Cereal Products

<u>Test</u>	<u>Internal Method(s)</u>	<u>Reference Method(s)</u>	<u>Matrices</u>
Dietary Fiber - Gravimetric	PEE.LASA-BR-29	AOAC 991.43 AOAC 985.29	Cereals, Cereal Products, Milk, Milk Products, Cocoa, Derivatives
Fat - Gravimetric	PEE.LASA.FQ.10-b1	AOAC 920.85 AOAC 2003.06	Cereal and Cereal Products
	PEE.LASA.FQ.10-b2	AOAC 2003.06	Sauces and Dressings
		NTE INEN ISO 1443	Meat and Meat Products, Sea Products
	PEE.LASA.FQ.10-b3	NTE INEN -ISO 8262-3	Milk and Milk Products
	PEE.LASA.FQ.10-b4	NTE INEN ISO 11085 AOAC 2003.06	Animal Feed
	PEE.LASA.FQ.10-b5	NTE INEN 535 AOAC 963.15	Cocoa Products
Fat (Crude) - Gravimetric	PEE.LASA.FQ.10-b1	AOAC 920.85 NTE INEN ISO 11085	Cereal and derivatives
	PEE.LASA.FQ.10-b2	AOAC 960.39	Meat and Meat Products, Sea Products
	PEE.LASA.FQ.10-b4	NTE INEN ISO 11085 AOAC 2003.06	Animal Feed
Fat (mojonnier) - Gravimetric	PEE.LASA.FQ.10-b3	AOAC 989.05	Milk and derivatives
Fatty Acid Profile by GC-FID <i>Saturated fatty acids</i> C4:0 Butyric acid C6:0 Caproic acid C8:0 Caprylic acid C10:0 Capric acid C11:0 Undecanoic acid C12:0 Lauric acid C13:0 Tridecanoic acid C14:0 Myristic acid C15:0 Pentadecanoic acid C16:0 Palmitic acid C17:0 Margaric acid C18:0 Stearic acid C20:0 Arachidic acid C21:0 Heneicosanoic acid C22:0 Behenic acid C23:0 Tricosanoic acid C24:0 Lignoceric acid	PEE.LASA.INS.03	AOAC 996.06 AOAC 963.22	Fat, Oil, Foods

<u>Test</u>	<u>Internal Method(s)</u>	<u>Reference Method(s)</u>	<u>Matrices</u>
Fatty Acid Profile by GC-FID (cont.) <i>Monounsaturated fatty acids</i> C14:1 Myristoleic acid C15:1 cis-10-pentadecanoic acid C16:1 Palmitoleic acid C17:1 cis-10-heptadecenoic acid C18:1n9c Oleic acid C20:1 cis 11-eicosenoic acid C22:1 Erucic acid C24:1 Nervonic acid <i>Polyunsaturated fatty acids</i> C18:2n6c Linoleic acid C18:3n6 Gamma-Linolenic acid C18:3n3 Alpha-Linolenic acid C20:2 cis-11,14-Eicosadienoic acid C20:3n6 cis-8, 11, 14-Eicosatrienoic acid C20:4n6 Arachidonic acid C20:3n3 cis-11,14,17-Eicosatrienoic acid C20:5n3 cis-5,8,11,14,17 Eicosapentaenoic acid (EPA) C22:2n6 cis-13,16-Docosadienoic acid C22:6n3 Docosahexaenoic acid (DHA) <i>Trans fatty acids</i> C18:1n9t Elaidic acid C18:2n6t Linolelaidic acid	PEE.LASA.INS.03	AOAC 996.06 AOAC 963.22	Fat, Oil, Foods
Fatty Acid Profile by GC - FID	PEE.LASA.INS.03	AOAC 996.06 AOAC 963.22	Fat, Oil, Foods
Fructose by HPLC - RI	PEE.LASA.FQ.57	AOAC 980.13 AOAC 982.14 AOAC 977.20	Beverages and derivatives, Meat and derivatives, Flour and Cereals, Fruits and derivatives, Cocoa and derivatives, Honey

<u>Test</u>	<u>Internal Method(s)</u>	<u>Reference Method(s)</u>	<u>Matrices</u>
Glucose by HPLC - RI	PEE.LASA.FQ.57	AOAC 980.13 AOAC 982.14 AOAC 977.20	Beverages and derivatives, Meat and derivatives, Flour and Cereals, Fruits and derivatives, Cocoa and derivatives, Honey
Lactose by HPLC - RI	PEE.LASA.FQ.57	AOAC 980.13 AOAC 982.14 AOAC 977.20	Milk and derivatives Beverages and derivatives Meat and derivatives
Maltose by HPLC - RI	PEE.LASA.FQ.57	AOAC 980.13 AOAC 982.14 AOAC 977.20	Beverages and derivatives Meat and derivatives
Methanol by GC - FID	PEE.LASA.FQ.45	INEN 2014	Alcoholic Beverages
Moisture - Gravimetric	PEE.LASA-FQ-10a1	AOAC 925.10 AOAC 920.171 AOAC 920.151	Cereals, Cereal Products, Sauces, Dressings, Fruits, Derivatives
	PEE.LASA-FQ-10a2	AOAC 950.46	Meats, Meat Products, Sea Products
	PEE.LASA-FQ-10a3	AOAC 927.5 AOAC 926.08 NTE INEN 14	Milk and Milk Products
	PEE.LASA.FQ.10a4	AOAC 934.01	Animal Feed
	PEE.LASA.FQ.10a5	AOAC 931.04 NTE INEN 1676	Cocoa Products
Peroxide value - Titration	PEE.LASA.BR.28	AOAC 965.33 NTE INEN ISO 3960	Oils and fats of animal or vegetable origin (oils and fats from food, animal feed and nutritional supplements)
pH - Electrometric	PEE.LASA-FQ-03a	AOAC 981.12 AOAC 945.10	Fruits, Derivatives, Non-alcoholic Beverages, Alcoholic Beverages, Carbonated Beverages
		AOAC 943.02 AOAC 981.12	Cereals, Cereal Products, Sauces, Dressings, Vinegar
		NTE INEN ISO 10523	Milk, Dairy Beverages
Protein - Volumetric	PEE.LASA.FQ.11	AOAC 981.10 AOAC 928.08 AOAC 991.20 NTE INEN ISO 20483	Cereals, Cereal Products, Meat, Meat Products, Milk, Milk Products, Sea Products
	PEE.LASA.FQ.11a1	AOAC 2001.11	Animal Feed

<u>Test</u>	<u>Internal Method(s)</u>	<u>Reference Method(s)</u>	<u>Matrices</u>
Saccharose by HPLC - RI	PEE.LASA.FQ.57	AOAC 980.13 AOAC 982.14 AOAC 977.20	Milk and derivatives, Beverages and derivatives, Meat and derivatives, Fruits and derivatives, Cocoa and derivatives, Candies
Sodium benzoate by HPLC - UV/VIS	PEE.LASA.BR.35	AOAC 979.08	Fruits and derivatives, Non-alcoholic Beverages, Milk and Milk Products
Sodium chloride (volumetric)	PEE.LASA.FQ.22	AOAC 983.14	Cheese
		AOAC 960.29 AOAC 971.27	Sauces and Dressings
Solid not fat - gravimetric Fat dry extract (calculated)	PEE.LASA.FQ.10-b3	NTE INEN 14	Milk and derivatives
Soluble solids (refractometric)	PEE.LASA.FQ.25	US ISO 2173	Fruits and derivatives, Jams
		AOAC 932.14	Sauces and dressings Non-alcoholic beverages, carbonated
Total Sugar by HPLC (calculated)	PEE.LASA.FQ.57	AOAC 980.13 AOAC 982.14 AOAC 977.20	Beverages and derivatives, Meat and derivatives, Flour and Cereals, Fruits and derivatives, Milk and derivatives, Cocoa and derivatives, Candies, Honey
Vitamin C by HPLC - UV/VIS	PEE.LASA.FQ.33	AOAC 967.21	Beverages, Fruits and derivatives, Cereal and derivatives, Food supplements
METALS			
Alkalinity - Volumetric	PEE.LASA.FQ.01a	APHA 2320 B	Natural Water, Wastewater and Drinking Water
		APHA 2320 B NTE INEN 821	Surfactant

<u>Test</u>	<u>Internal Method(s)</u>	<u>Reference Method(s)</u>	<u>Matrices</u>
Aluminum by ICP - MS	PEE.LASA.INS.15	AOAC 2015.06 AOAC 2015.01 AOAC 985.01	Food and Food Additives: Beverages, Meat Products and derivatives, Foods supplements, Fruits and derivatives, Sauces and derivatives, Confectionery, Ready-to-eat savouries, Dairy Products and analogues, Cereals and Cereal Products Cocoa and Cocoa Products, Coffee, Salt, spices, seasoning and condiments, Vegetables, Animal food
Aluminium by ICP - MS	PEE.LASA.INS.09	EPA 6020 B APHA 3125	Natural Water, Wastewater and Drinking Water
Antimony by ICP - MS	PEE.LASA.INS.09	EPA 6020 B APHA 3125	Natural Water, Wastewater and Drinking Water
Arsenic by ICP - MS	PEE.LASA.INS.09	EPA 6020 B APHA 3125	Natural Water, Wastewater and Drinking Water
	PEE.LASA.INS.17	EPA 6020 B	Soil
Ammoniacal Nitrogen and Total Kjeldahl Nitrogen - Volumetric	PEE.LASA.FQ.06	APHA 4500 Norg- C APHA 4500 NH3 C	Soil
Ammoniacal Nitrogen - Spectrophotometric	PEE.LASA.FQ.18	HACH 8038	Natural Water, Drinking Water
Arsenic by ICP - MS	PEE.LASA.INS.15	AOAC 2015.06 AOAC 2015.01 AOAC 985.01	Food and Food Additives: Fish and Seafood Products, Cocoa and Cocoa Products, Cereals and Cereals Products, Dairy Products and analogues, Beverages, Meat Products and derivates, Confectionery, Foods supplements, Fruits and derivatives, Sauces and derivatives, Aromatic herbs, Oils Ready-to-eat savouries, Vegetables, Coffee Salt, Spices, Seasoning and Condiments, Animal Food
Barium by ICP - MS	PEE.LASA.INS.09	EPA 6020 B APHA 3125	Natural Water, Wastewater and Drinking Water
	PEE.LASA.INS.17	EPA 6020 B	Soil

<u>Test</u>	<u>Internal Method(s)</u>	<u>Reference Method(s)</u>	<u>Matrices</u>
Beryllium by ICP - MS	PEE.LASA.INS.09	EPA 6020 B APHA 3125	Natural Water, Wastewater and Drinking Water
Biodegradability - Spectrophotometric	PEE.LASA.FQ.31	ASTM D2267 APHA 5540 C	Anionic surfactant
Boron by ICP - MS	PEE.LASA.INS.09	EPA 6020 B APHA 3125	Natural Water, Wastewater and Drinking Water
Cadmium by ICP - MS	PEE.LASA.INS.15	AOAC 2015.06 AOAC 2015.01 AOAC 985.01	Food and Food Additives: Fish and Seafood Products, Cocoa and Cocoa Products, Cereals and Cereals Products, Dairy Products and analogues, Beverages, Meat Products and derivatives, Confectionery, Foods supplements, Fruits and derivatives, Sauces and derivatives, Aromatic herbs, Oils, Ready-to-eat savouries, Vegetables, Coffee, Salt, Spices, Seasoning and Condiments, Animal Food
Arsenic by ICP - MS	PEE.LASA.INS.15	AOAC 2017.02	Fertilizers, Detergents
Cadmium by ICP - MS			
Calcium by ICP - MS			
Chromium by ICP - MS			
Cobalt by ICP - MS			
Copper by ICP - MS			
Iron by ICP - MS			
Lead by ICP - MS			
Manganese by ICP - MS			
Magnesium by ICP - MS			
Molybdenum by ICP - MS			
Mercury by ICP - MS			
Nickel by ICP - MS			
Phosphorus by ICP-MS			
Potassium by ICP - MS			
Silver by ICP - MS			
Sodium by ICP - MS			

<u>Test</u>	<u>Internal Method(s)</u>	<u>Reference Method(s)</u>	<u>Matrices</u>
Sulfur by ICP - MS	PEE.LASA.INS.15	AOAC 2017.02	Fertilizers, Detergents
Tin by ICP - MS			
Zinc by ICP - MS			
Calcium by FAAS	PEE.LASA.FQ.21	ISO 8070	Cereals and Cocoa Products
Calcium by ICP - MS	PEE.LASA.INS.09	EPA 6020 B APHA 3125	Natural Water, Wastewater and Drinking Water
Calcium by ICP - MS	PEE.LASA.INS.15	AOAC 2015.06 AOAC 2015.01 AOAC 985.01	Food and Food Additives: Meat Products, Ready-to-eat savouries, Vegetables, Beverages, Dairy Products and analogues, Cereals and Cereal Products, Cocoa and Cocoa Products, Confectionery, Coffee Salt, Spices, Seasoning and Condiments, Fish and Fish Products, Animal Food
Calcium - Volumetric	PEE.LASA.FQ.01d	APHA 3500-Ca B	Natural Water, Wastewater and Drinking Water
Cadmium by ICP - MS	PEE.LASA.INS.09	EPA 6020 B APHA 3125	Natural Water, Wastewater and Drinking Water
	PEE.LASA.INS.17	EPA 6020 B	Soil
Chloroamine	PEE.LASA.CP.06	APHA 4500 Cl G DPD	Natural Water, Wastewater, Drinking Water
	PEE.LASA.FQ.53	APHA 4500 Cl G DPD HAC H 8167 HAC H 8021	Natural Water, Wastewater, Drinking Water
Chlorides - Volumetric	PEE.LASA.FQ.01b	APHA 4500 Cl- B	Natural Water, Wastewater and Drinking Water

<u>Test</u>	<u>Internal Method(s)</u>	<u>Reference Method(s)</u>	<u>Matrices</u>
Chromium by ICP - MS	PEE.LASA.INS.15	AOAC 2015.06 AOAC 2015.01 AOAC 985.01	Food and Food Additives: Dairy Products and analogues, Beverages, Meat Products and derivatives, Confectionery, Foods supplements, Fruits and derivatives, Sauces and derivatives, Cereals and Cereal Products, Cocoa and Cocoa Products, Aromatic herbs, Oils, Ready-to-eat savouries, Vegetables, Coffee, Salt, Spices, Seasoning and Condiments Fish and Seafood Products, Animal Food
Chromium by ICP - MS	PEE.LASA.INS.09	EPA 6020 B APHA 3125	Natural Water, Wastewater and Drinking Water
	PEE.LASA.INS.17	EPA 6020 B	Soil
Cobalt by ICP - MS	PEE.LASA.INS.09	EPA 6020 B APHA 3125	Natural Water, Wastewater and Drinking Water
	PEE.LASA.INS.17	EPA 6020 B	Soil
Copper by ICP - MS	PEE.LASA.INS.09	EPA 6020 B APHA 3125	Natural Water, Wastewater and Drinking Water
	PEE.LASA.INS.17	EPA 6020 B	Soil
COD (spectrophotometric)	PEE.LASA.FQ.04b	APHA 5220-D HACH 8000	Natural Water, Wastewater and Drinking Water
Organic carbon total (acid digestion)			
Color (true and apparent) - Spectrophotometric	PEE.LASA.FQ.14	APHA 2120 C HACH 8025	Natural Water, Wastewater and Drinking Water

<u>Test</u>	<u>Internal Method(s)</u>	<u>Reference Method(s)</u>	<u>Matrices</u>
Copper by ICP - MS	PEE.LASA.INS.15	AOAC 2015.06 AOAC 2015.01 AOAC 985.01	Food and Food Additives: Dairy Products and analogues, Beverages, Meat Products and derivatives, Confectionery, Foods supplements, Fruits and derivatives, Sauces and derivatives, Cereals and Cereal Products, Cocoa and Cocoa Products, Aromatic herbs, Oils, Ready-to-eat savouries, Vegetables, Coffee Salt, Spices, Seasoning and Condiments, Fish and Seafood Products, Animal Food
Cyanide (Free) - Spectrophotometric	PEE.LASA.FQ.17	APHA 4500 CN HACH 8027	Natural Water, Wastewater and Drinking Water
Cyanide (Total) - Spectrophotometric			Natural Water Drinking Water Wastewater
Fat-free cocoa solids, Cocoa butter, Total cocoa solids	PEE.LASA.INS.12	NTC 792	Cocoa Products, Chocolate Products and chocolate substitutes
Fluorides (spectrophotometric)	PEE.LASA.FQ.32	APHA 4500 – F, D HACH 8029	Natural Water, Wastewater and Drinking Water
Hardness (Total) - Volumetric	PEE.LASA.FQ.01c	APHA 2340 C	Natural Water, Wastewater and Drinking Water
Iron by ICP - MS	PEE.LASA.INS.09	EPA 6020 B APHA 3125	Natural Water, Wastewater and Drinking Water
Iron by FAAS	PEE.LASA.FQ.21	AOAC 999.10	Cereals and Cocoa Products

<u>Test</u>	<u>Internal Method(s)</u>	<u>Reference Method(s)</u>	<u>Matrices</u>
Iron by ICP - MS	PEE.LASA.INS.15	AOAC 2015.06 AOAC 2015.01 AOAC 985.01	Food and Food Additives: Dairy Products and analogues, Beverages, Meat Products and derivatives, Confectionery, Foods supplements, Fruits and derivatives, Sauces and derivatives, Cereals and Cereal Products, Cocoa and Cocoa Products, Aromatic herbs, Oils Ready-to-eat savouries, Vegetables, Coffee, Salt, Spices, Seasoning and Condiments, Fish and Seafood Products, Animal Food
Lead by ICP - MS	PEE.LASA.INS.15	AOAC 2015.06 AOAC 2015.01 AOAC 985.01	Food and Food Additives: Fish and Seafood Products, Cocoa and Cocoa Products, Cereals and Cereals Products, Dairy Products and analogues, Beverages, Meat Products and derivatives, Confectionery, Foods supplements, Fruits and derivatives, Sauces and derivatives, Aromatic herbs, Oils Ready-to-eat savouries, Vegetables, Coffee Salt, Spices, Seasoning and Condiments, Fish and Seafood Products, Animal Food

<u>Test</u>	<u>Internal Method(s)</u>	<u>Reference Method(s)</u>	<u>Matrices</u>
Manganese by ICP - MS	PEE.LASA.INS.15	AOAC 2015.06 AOAC 2015.01 AOAC 985.01	Food and Food Additives: Dairy Products and analogues, Beverages, Meat Products and derivatives, Foods supplements, Fruits and derivatives, Sauces and derivatives, Confectionery, Foods supplements, Fruits and derivatives, Sauces and derivatives, Cereals and Cereal Products, Cocoa and Cocoa Products, Coffee, Salt, Spices, Seasoning and Condiments, Animal Food
Magnesium by ICP - MS	PEE.LASA.INS.15	AOAC 2015.06 AOAC 2015.01 AOAC 985.01	Food and Food Additives: Meat Products, Ready-to-eat savouries, Vegetables, Coffee, Salt, Spices, Seasoning and Condiments, Animal food
Magnesium by ICP - MS	PEE.LASA.INS.09	EPA 6020 B APHA 3125	Natural Water, Wastewater and Drinking Water
Manganese by ICP - MS	PEE.LASA.INS.09	EPA 6020 B APHA 3125	Natural Water, Wastewater and Drinking Water
Magnesium - Volumetric	PEE.LASA.FQ.01d	APHA 3500-Ca B APHA 2340 C APHA 3500-Mg B	Natural Water, Wastewater and Drinking Water
Mercury (Hg) by CVAAS	PEE.LASA.BR.49	UNE – EN 13806	Sea Products, Cereals Products, Cocoa Products

<u>Test</u>	<u>Internal Method(s)</u>	<u>Reference Method(s)</u>	<u>Matrices</u>
Mercury by IPC - MS	PEE.LASA.INS.15	AOAC 2015.06 AOAC 2015.01 AOAC 985.01	Food and Food Additives: Fish and Seafood Products, Cocoa and Cocoa Products, Cereals and Cereals Products, Dairy Products and analogues, Beverages, Meat Products and derivatives, Confectionery, Foods supplements,, Fruits and derivatives Sauces and derivatives, Aromatic herbs, Oils, Ready-to-eat savouries, Vegetables, Coffee Salt, Spices, Seasoning and Condiments, Animal Food
Mercury by ICP - MS	PEE.LASA.INS.09	EPA 6020 B APHA 3125	Natural Water, Wastewater and Drinking Water
	PEE.LASA.INS.17	EPA 6020 B	Soil
Molibdenum by ICP - MS	PEE.LASA.INS.09	EPA 6020 B APHA 3125	Natural Water, Wastewater and Drinking Water
	PEE.LASA.INS.17	EPA 6020 B	Soil
Moisture (gravimetric) Total Solids (gravimetric) Loss on ignition (gravimetric) Organic carbon (gravimetric – calculated)	PEE.LASA.FQ.24	APHA 2540-B APHA 2540-E	Soil
Moisture and volatile material (gravimetric)	PEE.LASA.FQ.24	APHA 2540-B APHA 2540-E NTE INEN 818	Surfactant, Chemicals, Cosmetics
Nickel by ICP - MS	PEE.LASA.INS.09	EPA 6020 B APHA 3125	Natural Water, Wastewater and Drinking Water
	PEE.LASA.INS.17	EPA 6020 B	Soil

<u>Test</u>	<u>Internal Method(s)</u>	<u>Reference Method(s)</u>	<u>Matrices</u>
Nickel by ICP - MS	PEE.LASA.INS.15	AOAC 2015.06 AOAC 2015.01 AOAC 985.01	Food and Food Additives: Dairy Products and analogues, Beverages, Meat Products and derivatives, Confectionery, Foods supplements, Fruits and derivatives, Sauces and derivatives, Cereals and Cereals Products, Cocoa and Cocoa Products, Aromatic herbs, Oils, Animal Food, Ready-to-eat savouries, Vegetables
Nitrites (spectrophotometric)	PEE.LASA.FQ.54	APHA 4500 NO2 B	Natural Water, Wastewater and Drinking Water
Nitrates (spectrophotometric)	PEE.LASA.FQ.23	APHA 4500 NO3 B	Natural Water, Drinking Water
Lead by ICP - MS	PEE.LASA.INS.09	EPA 6020 B APHA 3125	Natural Water, Wastewater and Drinking Water
	PEE.LASA.INS.17	EPA 6020 B	Soil
Lithium by ICP - MS	PEE.LASA.INS.09	EPA 6020 B APHA 3125	Natural Water, Wastewater and Drinking Water
pH - Electrometric	PEE.LASA.FQ.03	APHA 4500-H+B, Ed. 23, 2017	Natural Water, Wastewater and Drinking Water, Chemicals and Cosmetics
Phenol (spectrophotometric)	PEE.LASA.FQ.12	APHA 5530 C EPA 420.1 HACH 8047	Natural Water, Wastewater and Drinking Water
Phosphate (spectrophotometric)	PEE.LASA.FQ.09b	APHA 4500 – P, E	Soil
Phosphorus (spectrophotometric)	PEE.LASA.FQ.09b	APHA 4500 – P, E	Natural Water, Wastewater and Drinking Water
Potassium by ICP - MS	PEE.LASA.INS.09	EPA 6020 B APHA 3125	Natural Water, Wastewater and Drinking Water

<u>Test</u>	<u>Internal Method(s)</u>	<u>Reference Method(s)</u>	<u>Matrices</u>
Phosphorus by ICP - MS	PEE.LASA.INS.15	AOAC 2015.06 AOAC 2015.01 AOAC 985.01	Food and Food Additives: Meat Products, Ready-to-eat savouries Vegetables, Beverages, Confectionery, Coffee Salt, Spices, Seasoning and Condiments, Animal food
Potassium by FAAS Sodium by FAAS	PEE.LASA.FQ.20a PEE.LASA.FQ.20b	APHA 3111 B	Natural Water, Wastewater and Drinking Water
Potassium by ICP - MS	PEE.LASA.INS.15	AOAC 2015.06 AOAC 2015.01 AOAC 985.01	Food and Food Additives: Meat Products, Ready-to-eat savouries, Vegetables, Beverages, Dairy Products and analogues, Cereals and Cereal Products, Cocoa and Cocoa Products, Confectionery, Coffee Salt, Spices, Seasoning and Condiments, Fish and Fish Products, Animal Food
Residual free chlorine	PEE.LASA.CP.06	APHA 4500 Cl G DPD	Natural Water, Wastewater, Drinking Water
	PEE.LASA.FQ.53	APHA 4500 Cl G DPD HAC H 8021	Natural Water, Wastewater, Drinking Water
Selenium by ICP - MS	PEE.LASA.INS.09	EPA 6020 B APHA 3125	Natural Water, Wastewater and Drinking Water
Silica (spectrophotometric)	PEE.LASA.INS.17	EPA 6020 B	Soil
Silver by ICP - MS	PEE.LASA.INS.09	EPA 6020 B APHA 3125	Natural Water, Wastewater and Drinking Water
Sodium (Na) by FAAS	PEE.LASA.INS.04	ISO 8070:2007	Fruits and derivates, Cereals and Cereal Products, Sauces and Dressings, Carbonated Beverages, Meat Products, Milk Products

<u>Test</u>	<u>Internal Method(s)</u>	<u>Reference Method(s)</u>	<u>Matrices</u>
Sodium by ICP - MS	PEE.LASA.INS.15	AOAC 2015.06 AOAC 2015.01 AOAC 985.01	Food and Food Additives: Cereals and Cereals Products, Cocoa and Cocoa Products, Aromatic herbs, Oils, Meat Products and derivates, Ready-to-eat savouries, Vegetables, Coffee, Salt, Spices, Seasoning and Condiments, Fish and Seafood Products, Animal Food, Beverages, Dairy Products and analogues, Confectionery
Sodium by ICP - MS	PEE.LASA.INS.09	EPA 6020 B APHA 3125	Natural Water, Wastewater and Drinking Water
Strontium by ICP - MS	PEE.LASA.INS.09	EPA 6020 B APHA 3125	Natural Water, Wastewater and Drinking Water
Surfactants MBA (spectrophotometric)	PEE.LASA.FQ.13	APHA 5540 C	Natural Water, Wastewater and Drinking Water
		NTE INEN 833	Surfactant Products and raw material
Thallium by ICP - MS	PEE.LASA.INS.17	EPA 6020 B	Soil
Theobromine	PEE.LASA.INS.12	AOAC 980.14	Cocoa Products, Chocolate Products and chocolate substitutes
Tin by ICP - MS	PEE.LASA.INS.15	AOAC 2015.06 AOAC 2015.01 AOAC 985.01	Food and Food Additives: Dairy Products and analogues, Beverages, Meat Products and derivates, Confectionery, Foods supplements, Fruits and derivates, Sauces and derivates, Cereals and Cereal Products, Cocoa and Cocoa Products, Aromatic herbs, Oils, Ready-to-eat savouries, Vegetables, Coffee, Salt, Spices, Seasoning and Condiments, Animal Food
Tin by ICP - MS	PEE.LASA.INS.09	EPA 6020 B APHA 3125	Natural Water, Wastewater and Drinking Water
	PEE.LASA.INS.17	EPA 6020 B	Soil
Total dissolved solids (electrometric)	PEE.LASA.FQ.02	APHA 2510-B	Natural Water, Wastewater and Drinking Water

<u>Test</u>	<u>Internal Method(s)</u>	<u>Reference Method(s)</u>	<u>Matrices</u>
Total solids (calculated)	PEE.LASA.FQ.19	APHA 2540-A APHA 2540-D APHA 2130-B APHA 2510-B	Natural Water, Wastewater and Drinking Water
Total Solids – Gravimetric	PEE.LASA.FQ.10a1	AOAC 920.171	Sauces, Dressings
Total Solids – Gravimetric	PEE.LASA.FQ.10-a3	AOAC 927.5 AOAC 926.08 NTE INEN 14	Milk and Milk Products
Total Solids – Gravimetric	PEE.LASA.FQ-10a1	AOAC 920.151	Fruits, derivatives
Total Solids – Gravimetric	PEE.LASA.FQ.19	APHA 2540-B	Natural Water, Wastewater and Drinking Water
Total suspended solids (gravimetric)	PEE.LASA.FQ.05	APHA 2540-D	Natural Water, Wastewater and Drinking Water
Total suspended solids (nephelometric)		APHA 2130-B	
Turbidity - Nephelometric	PEE.LASA.FQ.08	APHA 2130 B	Natural Water, Wastewater, Drinking Water
Total Phosphates (spectrophotometric)	PEE.LASA.FQ.09c	APHA 4500 – P, B, E HACH 8190	Natural Water, Wastewater and Drinking Water
Total Phosphorus (spectrophotometric)	PEE.LASA.FQ.09c	APHA 4500 –P, B, E HACH 8190	Soil, Detergent, Fertilizer
Total Residual free chlorine	PEE.LASA.CP.06	APHA 4500 Cl G DPD	Natural Water, Wastewater, Drinking Water
	PEE.LASA.FQ.53	APHA 4500 Cl G DPD HACH 8167	Natural Water, Wastewater, Drinking Water
Vanadium by ICP - MS	PEE.LASA.INS.09	EPA 6020 B APHA 3125	Natural Water, Wastewater and Drinking Water
	PEE.LASA.INS.17	EPA 6020 B	Soil
Zinc by FAAS	PEE.LASA.INS.01	EPA 7000 B	Natural Water, Wastewater and Drinking Water
Zinc by FAAS	PEE.LASA.BR.59	AOAC 999.10	Cereals and Cereal Products, Milk and Milk Products Juice, Beverages, Fruit Pulp, Beers, Cosmetics, Vitamins and supplements

<u>Test</u>	<u>Internal Method(s)</u>	<u>Reference Method(s)</u>	<u>Matrices</u>
Zinc by ICP - MS	PEE.LASA.INS.15	AOAC 2015.06 AOAC 2015.01 AOAC 985.01	Food and Food Additives: Dairy Products and analogues, Beverages, Meat Products and derivatives, Confectionery, Foods supplements, Fruits and derivatives, Sauces and derivatives, Cereals and Cereal Products, Cocoa and Cocoa Products, Aromatic herbs, Oils, Ready-to-eat savouries, Vegetables, Coffee, Salt, Spices, Seasoning and Condiments, Animal Food
Zinc by ICP - MS	PEE.LASA.INS.09	EPA 6020 B APHA 3125	Natural Water, Wastewater and Drinking Water
	PEE.LASA.INS.17	EPA 6020 B	Soil
PAHs by HPLC - FLD			
Acenaphthene	PEE.LASA.FQ.67	EPA 550.1 EPA 8310	Natural Water, Drinking Water, Soil
Anthracene			
Benz (a) anthracene			
Benzo (a) pyrene			
Benzo (b) fluoranthene			
Benzo (g,h,i) perylene			
Benzo (k) fluoranthene	PEE.LASA.FQ.67	EPA 550.1 EPA 8310	Natural Water, Drinking Water, Soil
Chrysene			
Dibenz (a,h) anthracene			
Fluoranthene			
Fluroene			
Indeno (1,2,3-cd) pyrene			
Naphthalene			
Phenanthrene			
Pyrene			

<u>Test</u>	<u>Internal Method(s)</u>	<u>Reference Method(s)</u>	<u>Matrices</u>			
Organochlorine Pesticides by GC - ECD						
4,4-DDD	PEE.LASA.FQ.38	EPA 8081B	Natural Water, Drinking Water, Wastewater			
4,4-DDE						
4,4-DDT						
Aldrin						
a-BHC						
b-BHC						
d-BHC						
g-BHC						
Dieldrin						
Endosulfan I						
Endosulfan II						
Endosulfan Sulfate						
Endrin						
Endrin Aldehyde						
Endrin Ketone						
Heptachlor	PEE.LASA.FQ.76	NIOSH 5601 EPA 633	Natural Water, Drinking Water			
Heptachlor Epoxide B						
Methoxychlor						
Organonitrogen Pesticides by GC - MS						
Alachlor				PEE.LASA.FQ.76	NIOSH 5601 EPA 633	Natural Water, Drinking Water
Atrazine						
Bromacil						
Butachlor						
Metolachlor						
Metribuzin						
Prometon						
Simazine						

<u>Test</u>	<u>Internal Method(s)</u>	<u>Reference Method(s)</u>	<u>Matrices</u>
Organophosphorus Pesticides by GC - NPD			
Azinphos Methyl	PEE.LASA.INS.14	EPA 8141B	Natural Water, Drinking Water, Wastewater
Chlorpyrifos Ethyl			
Diazinon			
Disulfoton			
Ethoprop			
Ethyl Parathion			
Malathion			
Methyl Parathion			
Phorate			
Ronnel			
Terbufos			
Tetrachlorvinphos			