

List of Proficiency testing Scheme Provider & Scope of Accreditation for health products or public health laboratory that participate in Proficiency testing.

❖ Scope of accreditation for Food, Feed, Feeding stuff, Water and Wastewater

Source of PT Provider	Matrix	Test
Central Science Laboratory (CSL), Food Analysis Performance Assessment Scheme (FAPAS), UK	Animal feed	Alfatoxin B & G &/or total Arsenic (total) Cadmium Lead Mercury (total) Nickel Calcium Magnesium Manganese Phosphorus Sodium Zinc Ochratoxin A chloramphenicol Pesticide residues Maize & Soya
	Baby food	Enterococci Aerobic plate count <i>Bacillus cereus</i> <i>Clostridium perfringens</i> Vitamins A, B1, B2, B6, B12, C, E Folic acid Total niacin Moisture Ash Total fat Nitrogen Total dietary fibre by AOAC, Starch Sodium & chloride

Source of PT Provider	Matrix	Test
Central Science Laboratory (CSL), Food Analysis Performance Assessment Scheme (FAPAS), UK	Beef	<i>Listeria monocytogenes</i> <i>Listeria</i> spp. Beta-agonists Coagulase Positive Coliform <i>Escherichia coli</i> Enterobacteriaceae <i>Bacillus cereus</i> Aerobic Plate Count <i>Clostridium</i> spp., Sulphite Reducing Clostridia, <i>Clostridium perfringens</i> Yeasts and Moulds Lactic acid bacteria <i>Escherichia coli</i> O157:H7 Coagulase Positive Staphylococci Mold Yeast & Mold Pesticide residues Tetracyclines Azimphos-methyl Calcium
	Bovine kidney	quinolones & coccidiostats
	Bovine muscle	Chloramphenicol Florfenicol Thiamphenicol Total phenicols BLANK for chloramphenicol BLANK for florfenicol BLANK for thiamphenicol BLANK for total phenicols (BLVD5)

Source of PT Provider	Matrix	Test
Central Science Laboratory (CSL), Food Analysis Performance Assessment Scheme (FAPAS), UK	Bovine Milk	Tetracyclines Aminoglycosides Beta-lactams (penicillins & cephalosporins) Sulfonamides Trimethoprim Macrolides
	Breakfast Cereal	Calcium Iron Magnesium Phosphorus Potassium Sodium Zinc vitamins B1, B2 (total), B6, B12, total niacin & folic acid saturates mono-unsaturates poly-unsaturates (& possibly individual fatty acids: linoleic acid, linolenic acid (ALA), ARA, DHA & EPA) Vitamin B ₁ Vitamin B ₂ Zinc (Zn) Gliadin/ Gluten allergen Milk allergen
	Cabbage Puree	Methiocarb Methiocarb sulfoxide Arsenic (As) Cadmium (Cd)
	Cake mix	Copper (Cu) Mercury (Hg)
	Candy	Histamine Lead (Pb)

Source of PT Provider	Matrix	Test
Central Science Laboratory (CSL), Food Analysis Performance Assessment Scheme (FAPAS), UK	Canned crab meat	Total Arsenic Total Mercury Sodium (Na)
	Canned fish	Carbohydrate Cadmium (Cd) Lead (Pb) Mercury (Hg) Histamine Ash Fat Moisture Nitrogen
	Canned meat	Protein Sodium Total fat Calcium (Ca) Phosphorus (P) Zinc (Zn) %NaCl Ash Chloride Fat Moisture Total dietary fiber Nitrofurantol metabolites
	Canned Meat Test Material	Aerobic Plate Count
	Canned meat fish muscle/Fish Paste	Nitrofurantol Coliform <i>Escherichia coli</i> Fluoroquinolone

Source of PT Provider	Matrix	Test
Central Science Laboratory (CSL), Food Analysis Performance Assessment Scheme (FAPAS), UK	Chesses and Pasta meal	<i>Listeria monocytogenes</i> <i>Listeria</i> spp. <i>Salmonella</i> spp.
	Chicken	Oxychlordan <i>Salmonella</i> spp. Trans - Chlordane Total Arsenic Cadmium Lead Total fat Benzoic acid Sorbic acid Nitrofurans metabolites <i>Listeria monocytogenes</i> <i>Listeria</i> spp. Aerobic Plate Count <i>Campylobacter</i> spp. <i>Salmonella</i> spp. <i>Listeria monocytogenes</i> Nitroimidazoles Moisture Ash Total oil Protein Crude fiber Starch Total sugars Calcium Phosphorus
	Chicken egg	Chloride

Source of PT Provider	Matrix	Test
Central Science Laboratory (CSL), Food Analysis Performance Assessment Scheme (FAPAS), UK	Chocolate	Moisture Total fat Nitrogen Butyric acid Lactose Sucrose
	Chocolate Cake mix	Nitrogen Caffeine Sorbic acid Total sugars
	Condensed Milk	Ash Iron (Fe) Magnesium (Mg) Manganese (Mn) Moisture Lead (Pb) Protein Selenium (Se) Total oil without pre-extraction Sulphur Dioxide
	Corn/Maize based snack food	Manganese (Mn) Moisture Ash total fat nitrogen sodium chloride pH Total sugars Monosodium glutamate Magnesium Potassium

Source of PT Provider	Matrix	Test
Central Science Laboratory (CSL), Food Analysis Performance Assessment Scheme (FAPAS), UK	Dairy Ration	Ash Moisture Total oil Protein Crude fiber Iron Magnesium Manganese Selenium
	Dried fruit	Moisture Ash Nitrogen Total Dietary Fiber by AOAC Total sugars
	Energy drink	Total Fat Taurine Caffeine Total sugars Citric Acid
	Fat	BLANK for pesticide residues (fat soluble)
	Fish	Yeasts & Moulds Cu, Sn, Pb, Cd, Zn
	Fish meal	Sulfur dioxide
	Fish muscle	Sulphur dioxide <i>Clostridium perfringens</i> Vitamin C
	Fish Oil	Carbamate pesticide
	Fish paste	Cadmium (Cd) Iron (Fe) Lead Tin

Source of PT Provider	Matrix	Test
Central Science Laboratory (CSL), Food Analysis Performance Assessment Scheme (FAPAS), UK	Flour	Pesticide residues Total sugars Nitrofurans Percent Fructose Percent Glucose Chloramphenicol Cypermethrin
	Food	Heptachlor OC Pesticide Organochlorine pesticides (Organochlorine, PCB Organophosphate pesticide residues Saturated fat Mono unsaturated Poly unsaturated
	Food and Beverage	Saturates
	Food stuff	Total Fat
	Fruit & Vegetable	Total trans fatty acid Benzoic acid
	Fruit cordial	Sorbic acid
	Fruit Juice	<i>Listeria</i> spp. <i>Salmonella</i> spp. <i>Bacillus cereus</i> Aerobic plate count
	Grape puree	Aerobic plate count
	Grapefruit juice	Coliform
	Honey	Vitamin B ₁ Vitamin B ₂ Vitamin B ₆ Total Arsenic and Cadmium Aflatoxin Organochlorine pesticides residues <i>Salmonella</i> spp.

Source of PT Provider	Matrix	Test
Central Science Laboratory (CSL), Food Analysis Performance Assessment Scheme (FAPAS), UK	Hydrogenated vegetable oil	Salt Nitrate Nitrite Sulphur dioxide Total fatty acid Cholesterol
	Infant Milk	Cholesterol
	Infant milk formular	Lactose Aerobic plate count Melamine Cyanuric acid Protein
	Jam	Melamine Ash
	Liquid Vitamin Supplement	Aerobic plate count Aflatoxin M1 Aluminum (Al)
	Lobster (As)	Arsenic (As)
	Lyophilized culture	Cadmium (Cd) Mercury (Hg) Lead (Pb) Ash Calcium (Ca) Fat
	Maize	Moisture
	Material	Organochlorine
	Meat	Sodium Protein Organochlorine Moisture Ash Nitrogen Lactose Crude fat
	Meat, Heat Treated	Organophosphate

Source of PT Provider	Matrix	Test
Central Science Laboratory (CSL), Food Analysis Performance Assessment Scheme (FAPAS), UK	Milk	Cholesterol Butyric Acid Total Fat Cholesterol Total Arsenic and Cadmium Overall migration of 95% ethanol
	Milk powder	Antioxidants Fatty acid Composition Antioxidants Sucrose Fructose Total sugars Glucose Acid value Iodine Peroxide value Sudan red, Parared Organophosphorus Organochlorine Pyrethroid Carbamate Aflatoxin B&G/or Total Aflatoxin (B ₁ , B ₂ , G ₁ , G ₂) Overall migration of Olive oil Nitrofurans Metabolites Nitrofurans Sulfonamides Sulfonamides Tetracycline Ractopamine Clenbuterol

Source of PT Provider	Matrix	Test
Central Science Laboratory (CSL), Food Analysis Performance Assessment Scheme (FAPAS), UK	Milk product	Moisture Ash Vitamin E
	Mixed Fat Spread	Protein B-agonist (clenbuterol & Salbutamol) Overall migration of 3% acetic acid
	Oatameal	Total Fat
	Oil	<i>Clostridium perfringens</i> Moisture
	Olive oil	Ash Crude fiber Calcium
	Orange juice	Phosphorus Starch Total phosphorus
	Paprika	Vitamin C
	Peanut	Vitamin A Arsenic (As)
	Pear	Cadmium (Cd) Vitamin A Vitamin A, B ₁₂ , C, E Chloramphenicol
	PET Tray	Tetracycline group
	Pig Kidney	Nitrofurantol metabolites Manganese (Mn) Vitamin A
	Pig liver	Vitamin D ₃ Vitamin E
	Pig Muscle	Zinc (Zn) Total fat Organochlorine pesticides residues Ochratoxin A Calcium Magnesium

Source of PT Provider	Matrix	Test
Central Science Laboratory (CSL), Food Analysis Performance Assessment Scheme (FAPAS), UK	Pig ration	Phosphorus Potassium Sodium Chloramphenicol/Absence Coliform
	Pig urine	Cadmium (Cd)
	Polyethylene Container	Zinc (Zn)
	Pork	Copper (Cu)
	Porridge oats	Sorbic acid Arsenic (As) Food color
	Potable water	B-MCPD
	Poultry	Aluminum (Al) Total arsenic Lead (Pb)
	Poultry feeding stuff	Total Mercury Arsenic, Total Cadmium (Cd)
	Poultry Ration	Lead (Pb)
	Poultry Ration/Feeding stuff	Mercury (Hg)
	Powder baby food	Lindane (Y-BHC)
	Powder rice	Methyl-parathion
		Nitrates / Nitrite
	Powdered Baby Food	p,p'- DDE
		Permethrin
	Prawn	Bisphenol
		Lead (Pb)
		Sulphur Dioxide
		Copper (Cu)

Source of PT Provider	Matrix	Test
Central Science Laboratory (CSL), Food Analysis Performance Assessment Scheme (FAPAS), UK	Premix	P,P' - DDT
		Organophosphorus
		Cadmium (Cd)
		Tin (Sn)
		Fatty acid
	Porridge oats	Gamma Hexachlorocyclohexane
	Residues/ Hydrogenated	mono-unsaturated fatty acid
	Roasted coffee	OC. Pesticides Residues
	RTU milk	Organochlorine (pp-DDE) Organochlorine pesticide residue Organochlorine pesticides residues Oxychlordane PCB
	Semi-processed food	Pesticides
	Sheep feed	Poly-unsaturated fatty acid
		Saturated fatty acid
	Sheep kidney	Saturates
	Shrimp	Mono-unsaturate Poly-unsaturates Total fatty acid Trans-Chlordane Organochlorine Cadmium (Cd) Lead (Pb)
	Snack Food	Sn (Tin) <i>Clostridium perfringens</i> Coliforms Colony Counts <i>Escherichia coli</i>
	Soft drink	Enterococci Fecal Coliform Organophosphorus pesticide <i>Salmonella spp.</i>

Source of PT Provider	Matrix	Test
Central Science Laboratory (CSL), Food Analysis Performance Assessment Scheme (FAPAS), UK	Soft drink	Total Coliform
	Soft drink	Total Plate Count
	Soft drink	Beta-agonists
	Soy sauce Material	Atrazine
	Soya Flour	Azoxystrobin Iprodione Vinclozolin Ash Nitrogen Total Dietary Fiber Soy allergen Moisture
	Spinach Puree	Protein Pyrethroid pesticides Benzoic Acid Chloramphenicol Fluoroquinolone Chloramphenicol (LC-MS/MS)
	Starch	Sulfonamides
	Starch and starch product	Crude fat
	Sugar	Protein
	Sunflower oil and bank oil	Fructose
	Test Material	Glucose
	Tomato	Chloramphenicol
	Tomato paste	Nitrofurantoin Metabolites
		Chloramphenicol (LC-MS/MS)
		Pesticide residues
		Nitrofurantoin Metabolites
		Yeasts & Moulds
		azorubine
		ponceau 4R
		<i>Salmonella spp.</i>

Source of PT Provider	Matrix	Test
Central Science Laboratory (CSL), Food Analysis Performance Assessment Scheme (FAPAS), UK	Tomato puree	Ash Fat
	Vegetable oil	Moisture Total Nitrogen Sulfur dioxide Aflatoxin Ash Total fat Sugar Nitrogen Protein Citric acid Vitamin A Fat Lactose
	Vegetable oil (Hydrogenated)	Total solids
	Vegetable puree	Yeasts & Moulds Moisture Ash
	Vegetable puree - Tomato puree	Total fat Nitrogen
	Water	Sodium Chloride Yeasts & Moulds Aerobic plate count Sulfur dioxide Avermectins Sulfonamides group Trimethoprim Ormetoprim Nitroimidazole Cadmium (Cd) Mercury (Hg)

Source of PT Provider	Matrix	Test
Central Science Laboratory (CSL); Food Examination Performance Assessment Scheme (FEPAS), UK	Wheat Flour	Chloride Yeasts & Moulds Aerobic plate count Sulfur dioxide Avermectins Sulfonamides group Trimethoprim Ormetoprim Nitroimidazole Cadmium (Cd) Mercury (Hg) Iron (Fe) Lead (Pb) Copper (Cu) Zinc (Zn) Arsenic (As) Tin (Sn) Total dietary fiber Saturated fatty acid Chloramphenicol Nitrofurans Malachite green
	Apple	Pesticide residues
	Canned Fish	Nitrogen Total fat Sodium chloride Aerobic Plate Count Coagulase Positive Staphylococci
	Breakfast Cereal	Yeasts & Molds
	Cacao Powder	<i>Salmonella spp.</i>
	Canned Meat	Coliform & <i>Escherichia coli</i>
	Canned Meat	<i>Campylobacter coli</i>

Source of PT Provider	Matrix	Test
Central Science Laboratory (CSL); Food Examination Performance Assessment Scheme (FEPAS), UK	Beef	<i>Enterococcus</i> spp.
	Beef	<i>Clostridium perfringens</i>
	Beef test material (Lyophilize)	Coagulase Positive
		Coagulase Positive Staphylococci
		<i>Escherichia coli</i> O157
		<i>Staphylococcus aureus</i>
		Aerobic Plate Count
		Coliforms
		<i>Escherichia coli</i>
		Enterobacteriaceae
		Enterococci
		Enterococcus
		Fecal streptococcus
		Mold
		<i>Staphylococci</i>
		Yeast
		Yeasts & Molds
		Iron (Fe)
	Beef test material (Lyophilize)	Enterobacteriaceae
		Fecal streptococcus
	Chicken	<i>Campylobacter</i> spp.
	Chicken	<i>Listeria monocytogenes</i>
	Chicken	<i>Listeria</i> spp.
	Chicken	<i>Salmonella</i> spp.
	Chicken	Aerobic Plate count
	Chicken	Coliform / <i>Escherichia coli</i>
	Chicken	<i>Salmonella</i> spp.
	Chicken	<i>Staphylococcus aureus</i>
	Chicken	<i>Listeria monocytogenes</i>
	Chicken	Aerobic plate count
	Chicken	<i>Vibrio parahaemolyticus</i>

Source of PT Provider	Matrix	Test
Central Science Laboratory (CSL); Food Examination Performance Assessment Scheme (FEPAS), UK	Canned meat test material	<i>Campylobacter jejuni</i>
	Chicken (Frozen Dried)	Malachite green
	Chicken (Frozen Dried)	Leucomalachite green
	Chicken (Frozen Dried)	Oxalinic acid
	Chicken (Frozen Dried)	Molds
	Chicken test material (Lyophilize)	Yeasts & Molds
	Fish	OC-pesticide
	Fish	Organochlorine pesticides
	Fish (Frozen Dried)	<i>Staphylococcus aureus</i>
	Fish Muscle	Aerobic Plate Count
	Fish Muscle	Coliforms
	Fish Muscle	Detection of <i>Salmonella</i> spp. sp.
	Flour	<i>Escherichia coli</i>
	Flour	Enterococci
	Food	Enterococcus
	Food	Enumeration of Coliforms
	Food	<i>Staphylococcus aureus</i>
	Food	<i>Salmonella</i> spp.
	Freeze-dried culture	<i>Staphylococcus aureus</i>
	Frozen cooked chicken products	Cholesterol
	Frozen cooked chicken products	Nitrofurantoin metabolites
	Hydrogenated vegetable oil	Fecal coliform (<i>E.coli</i>)
	Hydrogenated vegetable oil	Coliform
	Meat, Heat Treated	<i>Escherichia coli</i>
	Meat, Heat Treated	<i>Listeria monocytogenes</i>
	Meat, Heat Treated	Nitrofurantoin metabolites
	Meat, Heat Treated	Chloramphenicol
	Meat, Heat Treated	<i>Bacillus cereus</i>
	Meat, Heat Treated	Aerobic Plate Count
	Milk	Pesticide

Source of PT Provider	Matrix	Test
Central Science Laboratory (CSL); Food Examination Performance Assessment Scheme (FEPAS), UK	Milk powder	Enterobacteriaceae
	Milk powder	Chlortetracycline
	Milk Powder	Oxytetracycline
	Milk Powder	Tetracycline
	Milk powder	OC-Pesticide Residues
	Milk powder	Coliforms
	Milk Powder	Colony Counts
	Milk Powder	<i>Escherichia coli</i>
	Milk powder	Enterococci
	Milk powder	MPN coliform
	Mixed fat spread	MPN Fecal coliform
	Pig kidney	Aerobic plate count
	Potable water	<i>Listeria monocytogenes</i>
	Poultry and poultry products	<i>Salmonella spp. spp</i>
	Poultry and poultry products	Sulfur dioxide
	Poultry and poultry products	<i>Escherichia coli</i>
	Prawn	<i>Clostridium perfringens</i>
	Prawn	Coliform
	Rice	<i>Salmonella spp.</i>
	Salad	Yeasts & Moulds
	Standard Mixed	<i>Listeria monocytogenes</i>
	Standard Mixed	<i>Salmonella spp.</i>
	Standard Mixed	<i>Vibrio cholerae</i>
	Starch	Cadmium (Cd)
	Tomato Puree	Histamine
	Vegetable oil	Total bacterial count
	Water	Yeasts & Moulds
	Water	Fecal Coliform
	Water	<i>Salmonella spp.</i>
	Water	Sulfonamide
	Water	Yeasts & Moulds

Source of PT Provider	Matrix	Test
Health Protection Agency Food (HPA), UK	Chicken	<i>Escherichia coli</i>
	Culture in vial	<i>Salmonella</i> spp. Aerobic plate count <i>Clostridium perfringens</i> Coliforms Fecal coliforms <i>Listeria monocytogenes</i> MPN <i>Bacillus cereus</i> MPN <i>Escherichia coli</i> MPN <i>Staphylococcus aureus</i>
	Food	<i>Salmonella</i> spp. Aerobic plate count <i>Bacillus cereus</i> <i>Clostridium perfringens</i> Coagulase-positive Enterobacteriaceae <i>Salmonella</i> spp. <i>Vibrio parahaemolyticus</i> Coliform <i>Escherichia coli</i> <i>Listeria monocytogenes</i> <i>Staphylococcus aureus</i>
	Food stuff	<i>Salmonella</i> spp. Aerobic plate count <i>Bacillus cereus</i> <i>Clostridium perfringens</i> <i>Campylobacter</i> spp. <i>Escherichia coli</i>
	Frozen dried Material	<i>Escherichia coli</i> 0157
	Freeze Dried	Enterobacteriaceae <i>Salmonella</i> spp. <i>Vibrio parahaemolyticus</i> Aerobic plate count <i>Clostridium perfringens</i>

Source of PT Provider	Matrix	Test
Health Protection Agency Food (HPA), UK	Freeze Dried	Coliforms <i>Escherichia coli</i> <i>Listeria monocytogenes</i> <i>Salmonella spp.</i>
	Freeze dried Culture	<i>Staphylococcus aureus</i> <i>Vibrio parahaemolyticus</i> Yeasts & Moulds <i>Bacillus cereus</i> <i>Escherichia coli</i> 0157 <i>Salmonella spp.</i> Coliform Aerobic plate count
	Freeze dried mixtures of fully characterize food isolates	<i>Staphylococcus aureus</i> <i>Salmonella spp.</i> <i>Vibrio parahaemolyticus</i> Coliform <i>Escherichia coli</i>
	Freeze-dried format	<i>Salmonella spp.</i> <i>Staphylococcus aureus</i> <i>Vibrio parahaemolyticus</i> <i>Escherichia coli</i>
	Freeze-dried microorganism	Aerobic plate count <i>Bacillus cereus</i> Coliforms <i>Escherichia coli</i> <i>Listeria monocytogenes</i> <i>Staphylococcus aureus</i>
	Freeze-dried mixture	<i>Salmonella spp.</i> <i>Listeria monocytogenes</i> <i>Clostridium perfringens</i> Coliforms <i>Escherichia coli</i> Enterobacteriaceae <i>Salmonella spp.</i> Staphylococcal enterotoxin

Source of PT Provider	Matrix	Test
Health Protection Agency Food (HPA) , UK	Freeze-dried mixture of Bactria	Total bacterial count Total Viable Count <i>Staphylococcus aureus</i> <i>Salmonella spp.</i> Aerobic plate count
	Freeze-dried mixtures of microorganisms in glass vials Freeze-dried vials Lyophilized culture	<i>Bacillus cereus</i> <i>Clostridium perfringens</i> Coliform <i>Escherichia coli</i> Enterobacteriaceae <i>Salmonella spp.</i> <i>Vibrio parahaemolyticus</i> Yeasts & Moulds <i>Staphylococcus aureus</i> <i>Salmonella spp.</i> <i>Listeria monocytogenes</i> Aerobic plate count
	Shrimp and shrimp products, Frozen	Coliform <i>Salmonella spp.</i> <i>Legionella spp.</i> <i>Staphylococcus aureus</i>
	Test Material	<i>Clostridium perfringens</i> <i>Bacillus cereus</i> <i>Salmonella spp.</i>
	Water	<i>Enterobacter sakazkii</i>

Source of PT Provider	Matrix	Test
Laboratory Government Chemist (LGC) Standards Proficiency Testing, UK	Animal Feed	Enterobacteriaceae
		Yeasts & Moulds
		Chloride (Cl)
		Cadmium (Cd)
		Chromium (Cr)
		Iron (Fe)
		Lead (Pb)
		Manganese (Mn)
		Zinc (Zn)
		Arsenic (As)
		Selenium (Se)
		Mercury (Hg)
		Copper (Cu)
	Alcoholic beverages	Potassium sorbate
	Alcoholic beverages	Sodium benzoate
	Cereal mixed	Calories
		Calories from fat
	Broad bean	Calories
		Calories from fat
	Beverage in sealed container	Coliforms
		<i>Escherichia coli</i>
		Yeasts & Molds
		Aerobic plate count
	Beer	%Alcohol
	Corn/Maize based snack food	Moisture
		Protein
		Ash
		Total fat
	Cereal	Sodium (Na)

Source of PT Provider	Matrix	Test
Laboratory Government Chemist (LGC) Standards Proficiency Testing, UK	Drinking water sealed container	Chloride Fluoride Fluoride Iron Iron, Cadmium, Lead Nitrate
	Fish	Sodium chloride (NaCl) Cadmium (Cd) Mercury (Hg) Lead (Pb) Sodium chloride Moisture Sodium chloride (NaCl)
	Food	<i>Clostridium perfringens</i> Coagulase positive staphylococci Coliforms <i>Escherichia coli</i> Enterobacteriaceae Enterococci Faecal streptococci <i>L.monocytogenes</i> <i>Listeria spp.</i> <i>Salmonella spp.</i> Total aerobic mesophilic count Total bacterial count Yeasts & Molds
	Soft drink	Total plate count
	Skimmed milk powder	Yeasts & Molds
	Starch and starch product	Coliforms <i>Escherichia coli</i>
	Shellfish	Lead (Fe)
	Food Matrix	<i>Listeria spp.</i>
	Food Matrix	<i>Listeria monocytogenes</i>

Source of PT Provider	Matrix	Test
Laboratory Government Chemist (LGC) Standards Proficiency Testing, UK	Honey	Chloramphenicol
	Lyophilized material-water	Enterococci (Fecal streptococci)
		Total aerobic count at 22°C
		Total aerobic count at 37°C
	Lyophilized culture	<i>Staphylococcus aureus</i> Enterobacteriaceae Total aerobic mesophilic count Sulfite reducing anaerobes (Clostridia) <i>Clostridium perfringens</i> Yeasts & Moulds <i>Escherichia coli</i> : O157 <i>Salmonella spp.</i> Coliform <i>Escherichia coli</i> Fecal coliform MPN Coliforms
	Lyophilized meat	Coliform <i>Escherichia coli</i> <i>Clostridium perfringens</i> Sulfite reducing anaerobes (Clostridia) <i>Staphylococcus aureus</i> Enterobacteriaceae <i>Salmonella spp.</i> Total aerobic mesophilic count
	Lyophilized shellfish	<i>Vibrio parahaemolyticus</i>
	Lyophilized test material-water	Coliform
		<i>Escherichia coli</i>
	Malt	Beta Glucan
		Extract Malt
		Moisture
		Crude protein

Source of PT Provider	Matrix	Test
Laboratory Government Chemist (LGC) Standards Proficiency Testing, UK	Meat	Crude fat
		Sodium chloride (NaCl)
		Dietary fiber
		Moisture
		Salt
		Fat
		Sodium Nitrite
		Total Carbohydrate
		Energy / Calories (Total)
		Calcium (Ca)
		<i>Staphylococcal enterotoxin</i>
		Total viable count
		Yeasts & Molds
		<i>Campylobacter</i> spp.
		<i>Enterococcus</i> spp.
		Total Bacteria Count
		<i>Escherichia coli</i>
		<i>Staphylococcus aureus</i>
		Coliform
		Aerobic plate count
		<i>Salmonella</i> spp.
		<i>Listeria monocytogenes</i>
		<i>Listeria</i> spp.
	Meat based	Ash
		Fat
		Protein
		Salt
	Milk (UHT)	<i>Clostridium perfringens</i>
		Fat
	Milk and Ice cream	<i>Bacillus cereus</i>
		<i>Escherichia coli</i>
		<i>Salmonella</i> spp.
		<i>Staphylococcus aureus</i>

Source of PT Provider	Matrix	Test
Laboratory Government Chemist (LGC) Standards Proficiency Testing, UK	Oatmeal	Total plate count
		Aerobic plate count
		<i>Escherichia coli</i>
		Coliform
		<i>Salmonella spp.</i>
		<i>Enterococci</i>
		<i>Clostridium perfringens</i>
		Yeasts & Molds
		<i>Staphylococcus aureus</i>
	Food Matrix	<i>Vibrio parahaemolyticus</i>
		<i>Pseudomonas spp.</i>
		Heterotrophic plate count
	Preservative	Coliform
	Preservative	<i>Escherichia coli</i>
	Potable water	Fecal coliform
		Fecal streptococci
		<i>Enterococci spp.</i>
		Spore of sulfite reducing anaerobes (Clostridia)
		<i>Clostridium perfringens</i>
		Coliform
		<i>Escherichia coli</i>
		<i>Staphylococcus aureus</i>
		<i>Salmonella spp.</i>
		Total aerobic count in potable
	Water	<i>Escherichia coli</i>
		Fecal Coliform
		<i>Salmonella spp.</i>
		<i>Staphylococcus aureus</i>
		Total Aerobic Count
		Total Bacteria Count
		Total Coliform

Source of PT Provider	Matrix	Test
Laboratory Government Chemist (LGC) Standards Proficiency Testing, UK	Tea	Total plate count Pesticide
	Water, Ice, and Beverages	Coliform
		<i>Escherichia coli</i>
	Milk product	Vitamin E
	Milk product	Vitamin A
	Milk product	<i>Escherichia coli</i>
	Milk product	Coliforms
	Scotch Whisky	Copper (Cu)
	Scotch Whisky	Methanol
	Dark distilled spirit	Copper (Cu)
	Dark distilled spirit	Methanol
	Seafood	Mercury (Hg)
	Seafood	Cadmium (Cd)
	Flour	Protein
	Tuna	Protein
Bureau Interprofessionnel des Etudes Analytiques (BIPEA), French (Other contaminants)	Patulin	Compote, juice, apple
	Food	Polychlorinated dibenzo-p-dioxins (PCDDs) (Tetra-, Penta-, Hexa-, Hepta-, Octo-substituted; Sum), Polychlorinated dibenzofurans (PCDFs) (Tetra-, Penta-, Hexa-, Hepta-, Octo-substituted; Sum), Polychlorinated biphenyls (PCBs) (Dioxin-like, Indicator, Sums)
	Food	Polycyclic aromatic hydrocarbons (PAHs) including benzo(a)pyrene, chrysene, fluoranthene, anthracene, phenanthrene, pyrene, dibenzopyrenes, and total PAH sum (e.g. BaA, BaP, BbF, CHR).
	Milk	Melamine, cyanuric acid
	Dairy food	Pesticides, trace elements, mycotoxins, PCB / PAH, Melamine



Source of PT Provider	Matrix	Test
Bureau Interprofessionnel des Etudes Analytiques (BIPEA), French (Other contaminants)	Rusk, coffee, potato crisps, cereals	Acrylamide
	Food, spices (paprika, turmeric)	Sudan Orange G Sudan I Sudan IV Rhodamine B
	Various food	Ethylene oxide and 2- chloroethanol
	Eggs (liquid form)	PFHxS, PFOA, PFOS, PFNA
(Veterinary drugs)	Fish	Chloramphenicol Nitrofurans
	Honey	Chloramphenicol Nitrofurans Tetracyclines Aminoglycosides Sulfonamides
	Chopped meat	Chloramphenicol Nitrofurans Quinolones & Fluoroquinolones
	Feed	Penicillins (e.g. amoxicillin, penicillin V) tetracyclines (e.g. doxycycline) sulfonamides (e.g. sulfadiazine) macrolides (e.g. tylosin, spiramycin) aminoglycosides (e.g. neomycin, spectinomycin) fluoroquinolones (e.g. enrofloxacin, flumequine, oxolinic acid) ionophores (e.g. monensin, salinomycin, lasalocid, narasin, maduramycin, semduramicin) nitroimidazoles (e.g. dimetridazole) others such as tiamulin, florfenicol, and valnemulin, thiamphenicol, clopidol, decoquinate, diclazuril, halofuginone, robenidine, carbadox, colistin, lincomycin, amprolium, flubendazole, nicarbazine.



Source of PT Provider	Matrix	Test
Bureau Interprofessionnel des Etudes Analytiques (BIPEA), French (Allergens)	Flour, Cake	Allergens: Gluten
	Cake, Pasta	Allergens: Egg
	Dietary food	Allergens: Milk
	Industrial water	Allergens: Egg and Milk
	Fish	Allergens: Histamine
	Dried fruits, Pickle, Crustacean	Allergens: Sulfites
	Desserts (cake, chocolate, yogurt)	Allergens: Nuts
	Meat, Flour	Allergens: Soya
(Trace elements)	Plants	Aluminum, Arsenic, Cadmium, Chromium, Cobalt, Fluoride, Iodine, Mercury, Molybdenum, Nickel, Lead, Selenium, Tin, Dry matter
	Seafood	Aluminum, Arsenic, Cadmium, Chromium, Cobalt, Fluoride, Iodine, Mercury, Molybdenum, Nickel, Lead, Selenium, Tin, Dry matter
	Feed	Aluminum, Arsenic, Cadmium, Chromium, Cobalt, Fluoride, Iodine, Mercury, Molybdenum, Nickel, Lead, Selenium, Tin, Dry matter
	Food	Aluminum, Arsenic, Cadmium, Chromium, Cobalt, Fluoride, Iodine, Mercury, Molybdenum, Nickel, Lead, Selenium, Tin, Dry matter
	Dairy food	Aluminum, Arsenic, Cadmium, Chromium, Cobalt, Fluoride, Iodine, Mercury, Molybdenum, Nickel, Lead, Selenium, Tin, Dry matter
	Tea, thyme	Aluminum, Arsenic, Cadmium, Chromium, Cobalt, Fluoride, Iodine, Mercury, Molybdenum, Nickel, Lead, Selenium, Tin, Dry matter



Source of PT Provider	Matrix	Test
Bureau Interprofessionnel des Etudes Analytiques (BIPEA), French (Mycotoxins)	Dried fruits, spices and other food matrix	Aflatoxins (B1, B2, G1, G2, Sum), Ochratoxin A
	Cereals	Aflatoxins (B1, B2, G1, G2, Sum), Ochratoxin A, Trichothecenes (DON, DON-3-glucoside, 3/15-acetyl-DON, Nivalenol, T2, HT2, T2+HT2), Zearalenone, Fumonisin (B1, B2, Sum), Emerging mycotoxins (Beauvericin, Enniatins A, A1, B, B1)
	Baby food	Aflatoxins (B1, B2, G1, G2, Sum), Ochratoxin A, Trichothecenes (DON, Nivalenol, T2, HT2, T2+HT2), Zearalenone, Fumonisin (B1, B2, B1+B2), Emerging mycotoxins (Beauvericin, Enniatins A, A1, B, B1)
	Milk	M1 Aflatoxin
	Feed	Aflatoxins (B1, B2, G1, G2, Sum), Ochratoxin A, Trichothecenes (DON, DON-3-glucoside, 3/15-acetyl-DON, Nivalenol, T2, HT2, T2+HT2), Zearalenone, Fumonisin (B1, B2, Sum), Emerging mycotoxins (Beauvericin, Enniatins A, A1, B, B1)
	Cereals	Alkaloids: Ergometrine, Ergometrinine, Ergosine, Ergosinine, Ergocryptine, Ergocryptinine, Ergocornine, Ergocorninine, Ergotamine, Ergotaminine, Ergocristine, Ergocristinine, Sum of 12 ergot alkaloids, Scopolamine,

Source of PT Provider	Matrix	Test
 Bureau Interprofessionnel des Etudes Analytiques (BIPEA), French (Pesticides)	Fruits	Pesticides (general), Insecticides (e.g., acetamiprid), Fungicides (e.g., boscalid), Herbicides (e.g., glyphosate), Metabolites (AMPA, MPP), Synergists (PBO), Chlorates/Perchlorates, Organophosphates, Pyrethroids, Residual Additives (fosetyl, ethephon), ...
	Cereals	Pesticides (general), Herbicides (e.g., glyphosate, 2,4-D), Fungicides (e.g., boscalid, metalaxyl), Insecticides (e.g., cypermethrin, imidacloprid), Metabolites (AMPA, salts), Pyrethroids (e.g., deltamethrin), Organophosphates (e.g., malathion), Growth Regulators (chlormequat, mepiquat), Synergists (PBO), Residual Contaminants (lindane, paraquat)
	Vegetables	Pesticides, Herbicides (e.g., Chlorprophame), Fungicides, Insecticides, Metabolites (MPP), Pyrethroids, Organophosphates, Growth Regulators, Synergists (PBO)
	Vegetables	Pesticides: bromides, nitrates
	Fats and oils	Pesticides, Insecticides, Fungicides, Herbicides, Organochlorines, Pyrethroids, Organophosphates, Synergists, Endosulfans, Persistent Pollutants
	Wines	Triazoles (e.g. tebuconazole), strobilurins (e.g. azoxystrobin, pyraclostrobin), pyrethroids (e.g. Permethrine), organophosphates (e.g. chlorpyrifos), dicarboximides (e.g. iprodione), and others such as glyphosate, fosetyl-Al, boscalid, dimethomorph, fludioxonil, and carbendazim.



Source of PT Provider	Matrix	Test
Bureau Interprofessionnel des Etudes Analytiques (BIPEA), French (Pesticides)	Honey	Insecticides (e.g. acetamiprid, imidacloprid), Fungicides (e.g. boscalid), Herbicides (e.g. glyphosate), Pyrethroids (e.g. bifenthrin, deltamethrin), Neonicotinoids (e.g. thiamethoxam), Organophosphates (e.g. chlorpyrifos), Carbamates (e.g. carbaryl), Formamidines (amitraz & derivatives), Synergists (PBO), Metabolites (e.g. AMPA),...
	Fruits / Vegetables	Pesticides: Dithiocarbamates
	Dairy food	Herbicides (2,4-D), Fungicides (e.g. azoxystrobin), Insecticides (e.g. cypermethrin), Pyrethroids, Organophosphates (e.g. malathion), Organochlorines (DDT, endosulfan), Synergists (PBO), Chlorates/Perchlorates, Persistent Pollutants (e.g. HCB),...
	Tea, thyme	Insecticides (e.g. acetamiprid, cypermethrin), Fungicides (e.g. azoxystrobin), Herbicides (e.g. pendimethalin), Pyrethroids, Organophosphates (e.g. malathion), Neonicotinoids (e.g. imidacloprid), Organochlorines (e.g. endosulfan), Synergists (PBO)
	Almond powder, raisin	Insecticides (e.g. cypermethrin, malathion), Fungicides (e.g. azoxystrobin, tebuconazole), Herbicides (e.g. pendimethalin, diflufenican), Pyrethroids (e.g. bifenthrin, deltamethrin), Organophosphates (e.g. chlorpyrifos), Neonicotinoids (e.g. imidacloprid, thiamethoxam), Organochlorines (lindane), Synergists (PBO)

Source of PT Provider	Matrix	Test
 Bureau Interprofessionnel des Etudes Analytiques (BIPEA), French (Pesticides)	Egg powder	Insecticides, Fungicides, Herbicides, Pyrethroids, Organophosphates, Organochlorines (e.g. DDT, endosulfan), Formamidines (amitraz), Synergists (PBO), Fipronil & Metabolites, Persistent Pollutants (e.g. HCB, dieldrin),...
	Sea products	Organochlorines (e.g. DDT, endosulfan, HCH), Cyclodiene Insecticides (aldrin, dieldrin, endrin), HCH Isomers (α , β , γ , δ), Heptachlor & Epoxides, Persistent Organic Pollutants (e.g. HCB),...
	Raw material: Proteaginous (Soya meal)	Pesticides
	Fruits and citrus fruits	Insecticides, Fungicides, Herbicides, Pyrethroids (e.g. cypermethrin, bifenthrin), Organophosphates (e.g. chlorpyrifos, malathion), Carbamates (e.g. carbaryl), Organochlorines (e.g. DDT, endosulfan), Synergists (e.g. PBO), Neonicotinoids (e.g. imidacloprid), Persistent Pollutants
	Cereals	Insecticides, Fungicides, Herbicides, Pyrethroids (e.g. cypermethrin), Organophosphates (e.g. chlorpyrifos), Neonicotinoids (e.g. imidacloprid), Carbamates (e.g. carbaryl), Organochlorines (e.g. DDT, lindane), Synergists (PBO), Persistent Pollutants (e.g. HCB),...

Source of PT Provider	Matrix	Test
 Bureau Interprofessionnel des Etudes Analytiques (BIPEA), French (Pesticides)	Vegetables	Pesticides including insecticides, fungicides, herbicides; pyrethroids (e.g. cypermethrin, bifenthrin), organophosphates (e.g. chlorpyrifos, diazinon), carbamates (e.g. carbaryl, methomyl), organochlorines (e.g. DDT, aldrin), neonicotinoids (e.g. acetamiprid, imidacloprid), triazoles & strobilurins (e.g. tebuconazole, azoxystrobin), synergists (e.g. PBO), and persistent pollutants (e.g. lindane, HCB),...
	Essential oils	Wide-spectrum pesticides including organochlorines (e.g. DDT, aldrin, lindane), organophosphates (e.g. chlorpyrifos, diazinon, parathion), pyrethroids (e.g. cypermethrin, deltamethrin), carbamates (e.g. carbaryl, methomyl), strobilurins & triazoles (Pyraclostrobin, Propiconazole), synergists (e.g. PBO), and persistent pollutants (e.g. HCB, endosulfan),...
(FOOD AUTHENTICITY)	Chopped raw meat	Qualitative: presence/absence of DNA Quantitative: If detected, number of DNA copies per µL
(MICROBIOLOGY & VIROLOGY)	Meat	<i>Escherichia coli</i> (detected/not detected)
	Meat	Enumeration: <i>Bacillus cereus</i> , <i>Clostridium perfringens</i> , Coliforms at 30°C, <i>Enterobacteria</i> , <i>Escherichia coli</i> , <i>Listeria monocytogenes</i> , Total coliforms, Thermotolerant coliforms, <i>Pseudomonas spp</i> , Sulfite-reducing anaerobe bacteria spores

Source of PT Provider	Matrix	Test
 Bureau Interprofessionnel des Etudes Analytiques (BIPEA), French (MICROBIOLOGY & VIROLOGY)	Meat	<i>Salmonella</i> (detected/not detected)
	Meat	<i>Listeria</i> (detected/not detected)
	Meat	Enumeration: Yeasts and Moulds
	Fish / Seafood	Enumeration of <i>Listeria</i>
	Poultry meat	<i>Campylobacter</i> (enumeration) <i>Campylobacter</i> (detected/not detected)
	Milk powder	<i>Cronobacter</i> and <i>Salmonella</i> (detected / not detected)
	Liquid milk	Enumeration: Thermotolerant coliforms, Coliforms at 30°C, <i>Enterobacteria</i> , <i>Escherichia coli</i> , <i>Bacillus cereus</i> , <i>Clostridium perfringens</i> , <i>Listeria monocytogenes</i> , <i>Staphylococcus aureus</i> , <i>Pseudomonas spp</i> , <i>Sulfito-reducing anaerobe bacteria spores</i>
	Milk powder	<i>Staphylococcus aureus</i> (detected/not detected)
	Flours	Enumeration: <i>Coagulase positive Staphylococci</i> , <i>Escherichia coli</i> , Moulds, <i>Sulfite-reducing anaerobic bacteria</i> at 46°C, Total viable count (TVC), Total Coliforms, Yeasts. Detection: <i>Salmonella</i>
	Strawberries	GI Norovirus, GII Norovirus, Hepatitis A virus
	Salad	GI Norovirus, GII Norovirus, Hepatitis A virus
	Stainless steel plate	Total viable count (TVC)
	Wipes	<i>Listeria monocytogenes</i> and <i>Listeria spp.</i> (detected / not detected)
	Wipes	<i>Salmonella spp</i> (detected/not detected)
	Stainless steel plate	Sampling and detection of <i>Listeria spp</i> and of <i>Listeria monocytogenes</i> (detected / not detected)



Source of PT Provider	Matrix	Test
Bureau Interprofessionnel des Etudes Analytiques (BIPEA), French (MICROBIOLOGY & VIROLOGY)	Agar colonies	Serovars' list
	Feed for livestock	<i>Salmonella</i> spp (detected/not detected)
	Liquid milk	<i>Staphylococcal</i> enterotoxins in food SEA to SEE (detected / not detected)
	TBX Agar (Tryptone Bile X-glucuronide Agar), Trypticase soy agar (TSA), Buffered peptone water	Productivity, specificity and selectivity
	Poultry meat	<i>Campylobacter</i> (enumeration) <i>Campylobacter</i> (detected/not detected)
(PHYSICS & CHEMISTRY)	Food	Protein (Kjeldahl, Dumas), Lipids (incl. fatty acids), Carbohydrates (sugars, starch, mono/disaccharides), Energy (kJ, kcal), Vitamins (A, B, C, D, E), Minerals (Ca, Fe, Zn, etc.), Moisture (dry matter), pH (acidity), Ash (total minerals), Density (at 2 °C), Fiber (total, insoluble, soluble)
	Egg products (whole egg and egg yolk)	Protein (Kjeldahl, Dumas), Fat (incl. fatty acids), Carbohydrates (sugars, mono/disaccharides), Moisture (water content), Minerals (Na, Cl), pH (acidity), Cholesterol (lipid marker), Organic Acids (lactic, succinic, etc.), Fatty Acids (saturated, mono, poly, trans), ...
	Meat products	Protein (Kjeldahl, Dumas), Fat (free, total, fatty acids), Carbohydrates (starch, sugars), Moisture (water content), Minerals (Na, P, Cl), pH (acidity), Nitrites/Nitrates (preservatives), Cholesterol (lipid marker), Water Activity (aw), Additives (polyphosphates, C/P, HPD),...



Source of PT Provider	Matrix	Test
Bureau Interprofessionnel des Etudes Analytiques (BIPEA), French (PHYSICS & CHEMISTRY)	Cereal products	Protein (Kjeldahl, Dumas), Lipids (incl. Fatty acids), Carbohydrates (glucose, sugars, starch), Fiber (total, soluble, insoluble), Energy (kJ, kcal), Moisture (dry matter), pH (acidity), Water Activity (aw), FOS, Lipid Oxidation (peroxides),..
	Dairy substitutes of plant origin	Protein (Kjeldahl, Dumas), Lipids (incl. Fatty acids), Carbohydrates (sugars), Fiber (total, soluble, insoluble), Energy (kJ, kcal), Moisture (dry matter), Minerals (Ca, Na, Mg, Cl, K), pH (acidity), Water Activity (aw), Fatty Acids (saturated, unsaturated, trans, omega),...
	Fish	Protein (Kjeldahl, Dumas), Fat (free, total, cholesterol), Carbohydrates (starch, sugars), Energy (kJ, kcal), Moisture (dry matter, water activity), Minerals (Ca, Fe, Zn, etc.), Acidity (pH), organic acids (citric acid, acetic acid, lactic acid), Additives (polyphosphates), Nitrogen Compounds (Total volatile basic nitrogen, TMA), Chlorides & Iodine (NaCl, I),...
	Instant coffee	Protein (Kjeldahl, Dumas), Fat (total, fatty acids), Moisture (water content), Minerals (Ca, Fe, Zn, Mg, etc.), Acidity (titrable), Caffeine, Theobromine, Fatty Acids (saturated, unsaturated, omega), Ash (total mineral residue),...
	Various food	Amino acids by hydrolysis method
	Rice	Physico-chemical analyses

Source of PT Provider	Matrix	Test
 Bureau Interprofessionnel des Etudes Analytiques (BIPEA), French (PHYSICS & CHEMISTRY)	Fats, oil	Fatty Acids (incl. trans, saturated, unsat.), Tocopherols (α , β , γ , δ), Sterols (Stigmasterol, Cholesterol, β -sitosterol, campesterol, etc.), Contaminants (MOAH, MOSH, PAHs, Phthalates, hexane), Free Fatty Acids (FFA), Oxidation Markers (peroxide value, UV absorbance), Moisture and volatile matter, Impurities, FAEE, Waxes, Density, Refractive index, Saponification index, Unsaponifiable matter, DECN42, Iodine value, PHOSPHORUS, LOVIBOND Colors...
	Olive oil	Fatty Acids (incl. trans, saturated, unsat.), Tocopherols (α , β , γ , δ), Sterols (Stigmasterol, Cholesterol, β -sitosterol, campesterol, etc.), Contaminants (MOAH, MOSH, PAHs, Phthalates, hexane), Free Fatty Acids (FFA), Oxidation Markers (peroxide value, UV absorbance), Moisture and volatile matter, Impurities, FAEE, Waxes, Density, Refractive index, Saponification index, Unsaponifiable matter, DECN42, Iodine value, PHOSPHORUS, STIGMASTADIENES, Triglycerides...
	Honey	Moisture, pH, HMF, Conductivity, Sugars (mono-, di-, oligosaccharides), Amino Acids (proline), Organic Acids (citric), Alcohols (ethanol, glycerol), Ash & Minerals (Ca, Mg, Fe, etc.), Heavy Metals (Pb, Cd, Cr), Alkaloids (pyrrolizidine group), Botanical Origin (pollen profile), Stable Isotopes (^{13}C for purity), Sensory Properties (smell, taste, aroma) ...



Source of PT Provider	Matrix	Test
Bureau Interprofessionnel des Etudes Analytiques (BIPEA), French (PHYSICS & CHEMISTRY)	Honey	Moisture, pH, HMF, Conductivity, DIASTASIC ACTIVITY (α-amylase), Sugars (mono-, di-, oligosaccharides), Organic Compounds (ethanol, glycerol, citric acid), Amino Acids (proline), Ash, Minerals (Ca, K, Mg, Zn, etc.), Heavy Metals (Pb, Cd, Cr), Isotopes (¹³ C, C4 sugars), Sensory properties (smell, taste, aroma)
	Plant syrup	Moisture & Dry Extract (°Brix), Sugars (fructose, glucose, sucrose), pH & HMF (5-HMF indicator), Inulin & Fibers (dietary components), Color Metrics (L*, a*, b*, absorbance), Protein (total content), Fat (total), Carbohydrates (total), Sodium (Na content), Energy (kJ, kcal) **, ...
	Dairy (milk, butter)	Protein (Kjeldahl, Dumas), Fat (total, fatty acids), Carbohydrates (sugars, starch, FOS), Fiber (total), Vitamins (A, B, C, D, K, E), Minerals (Ca, Fe, Zn, Se, etc.), Moisture, pH, Water activity, Nutrients (choline, inositol, taurine, nucleotides), Oxidation & Nitrogen (peroxides, nitrates)
	Dairy (cheese, dessert, yogurt)	Protein (Kjeldahl, Dumas), Fat (total, fatty acids, cholesterol), Carbohydrates (sugars, starch), Fiber (total, soluble), Vitamins (e.g., D), Minerals (Ca, Mg, Zn, etc.), Moisture, Acidity (pH, titratable), Water activity, Fatty Acid Profile (saturated, mono, poly, omega), Sodium & Chlorides (Na, NaCl), Dry matter



Source of PT Provider	Matrix	Test
Bureau Interprofessionnel des Etudes Analytiques (BIPEA), French (PHYSICS & CHEMISTRY)	Drinking water, surface water, groundwater	Oxidants (e.g. bromates, chlorates, chlorites), organic and inorganic pollutants (e.g. COD, TOC, phenols, cyanides, anionic surfactants), dissolved organic carbon, Kjeldahl nitrogen, total nitrogen/phosphorus, oxidability (KMnO ₄ , acidic), trace metals (e.g. Ag, Hg, Cr VI), mineral content, dry residue, suspended solids, and natural structure (major ions, nutrients, TOC, dissolved silica, cyanides, iodides, CO ₂ , pH, conductivity, alkalinity, hardness, redox potential, turbidity, and true colour)
	Plant syrup	Moisture & Dry Extract (°Brix), Sugars (fructose, glucose, sucrose), pH & HMF (5-HMF indicator), Inulin & Fibers (dietary components), Color Metrics (L*, a*, b*, absorbance), Protein (total content), Fat (total), Carbohydrates (total), Sodium (Na content), Energy (kJ, kcal) **, ...
	Bathing water (swimming-pool)	Chloride, turbidity, isocyanuric acid, oxydabilité with KMnO ₄ in acid solution, oxydability in alkaline solution, total organic carbon
	Drinking water, surface water, groundwater	Organic and nutrient content: COD (incl. ISO method), total and dissolved organic carbon, oxidability (KMnO ₄ , acidic), Kjeldahl nitrogen, total nitrogen, and total phosphorus, suspended solids, natural structure : major ions (e.g. Ca, Mg, Na, K, Cl ⁻ , SO ₄ ²⁻ , NO ₃ ⁻ , F ⁻), nutrients (e.g. NH ₄ ⁺ , NO ₂ ⁻ , PO ₄ ³⁻ , total P), TOC, dissolved silica, cyanides, iodides, CO ₂ , pH, conductivity, alkalinity, hardness, redox potential, turbidity, and true colour.



Source of PT Provider	Matrix	Test
Bureau Interprofessionnel des Etudes Analytiques (BIPEA), French (PHYSICS & CHEMISTRY)	Drinking water, surface water, groundwater	Chlorophyll A, Pheopigments index
	Carbo-gaseous water	Comprehensive physico-chemical water analysis: major ions (e.g. Ca, Mg, Na, K, Cl^- , SO_4^{2-} , NO_3^- , F^-), nutrients (e.g. NH_4^+ , NO_2^- , PO_4^{3-} , total P), TOC, dissolved silica, cyanides, iodides, CO_2 , pH, conductivity, alkalinity, hardness, redox potential, turbidity, and true colour, and heavy metals: Aluminium, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Total Chromium, Copper, Iron, Lithium, Manganese, Nickel, Lead, Selenium, Strontium, Uranium, Zinc, Mercury.
	Highly mineralized packaged water with a dry residue	Physico-chemical water analysis: major ions (e.g. Ca, Mg, Na, K, Cl^- , SO_4^{2-} , NO_3^- , F^-), nutrients (e.g. NH_4^+ , NO_2^- , PO_4^{3-} , total P), TOC, dissolved silica, cyanides, iodides, CO_2 , pH, conductivity, alkalinity, hardness, redox potential, turbidity, and true colour, and heavy metals: Aluminium, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Total Chromium, Copper, Iron, Lithium, Manganese, Nickel, Lead, Selenium, Strontium, Uranium, Zinc, Mercury.
	Bathing water (swimming-pool)	Trihalomethanes (THMs): Chloroform, Bromodichloromethane, Dibromochloromethane, Bromoform.

Source of PT Provider	Matrix	Test
 Bureau Interprofessionnel des Etudes Analytiques (BIPEA), French (PHYSICS & CHEMISTRY)	Waste water (inlet and outlet) and industrial waste water	A comprehensive elemental analysis of water or solid matrices, covering major and trace elements (e.g. Al, As, Cd, Cr, Pb, Hg, Zn, Sb, Co, Ni, Se, V, Ti), nutrients (e.g. P, S, K, Ca, Mg, Fe, Mn, Mo, Na), other metals/metalloids (e.g. B, Si, Ti, U, Zr, Ba, Be, Bi, Sn, Li, Sr, Te) and silica, silver/mercury, cyanides (free/total), phenol index, anionic tensioactives, nitrites/Cr VI, hexane extracted substances, Organic load and nutrient analysis: COD (total, ISO, and filtered), TOC, DOC, Kjeldahl nitrogen, total N and P, nitrates, nitrites, ammonium, and major cations (Na, K, Ca, Mg); Water characteristics: dissolved silica, pH, conductivity, dissolved salts, complete alkalinity titration, chlorides, sulphates, fluorides, bromides, orthophosphates, BOD, colour, turbidity ; suspended solids, Physico-chemistry low concentrations : chlorides, nitrates, nitrites and total phosphorus
	Waste water (inlet and outlet) and industrial waste water	Organic load and nutrient analysis: COD (total, ISO, and filtered), TOC, DOC, Kjeldahl nitrogen, total N and P, nitrates, nitrites, ammonium, and major cations (Na, K, Ca, Mg); Water characteristics: dissolved silica, pH, conductivity, dissolved salts, complete alkalinity titration, chlorides, sulphates, fluorides, bromides, orthophosphates, BOD, colour, turbidity; suspended solids



Source of PT Provider	Matrix	Test
Bureau Interprofessionnel des Etudes Analytiques (BIPEA), French (PHYSICS & CHEMISTRY) (CONTAMINANTS)	Drinking water, surface water, groundwater, waste water, industrial waste water	Field analyses Conductivity at 25°C, chlorine (free, total, active), dissolved oxygen, Redox potential, pH, salinity, stabilizing agent: isocyanuric acid, turbidity
	Drinking water, surface water, groundwater.	Volatile organic compounds (VOCs) such as BTEX, halogenated hydrocarbons, chlorinated benzenes and toluenes, oxygenated solvents (e.g. MTBE, ETBE), and where applicable-pesticides (insecticides, ureas, triazines), PAHs, and PCBs
	Mineral water, Surface water, Feed water	Pesticide residues, primarily herbicides such as triazines (e.g. atrazine, simazine), ureas (e.g. diuron, linuron), and other compounds (e.g. metolachlor, bentazone), as well as a comprehensive panel of polycyclic aromatic hydrocarbons (PAHs). PCBs and phthalates are referenced where applicable
	Feed water, Surface water	Comprehensive screening of volatile organic compounds (VOCs), including BTEX (benzene, toluene, ethylbenzene, xylenes), halogenated hydrocarbons (e.g. chloroform, vinyl chloride, trichloroethane), chlorinated and brominated benzenes and toluenes, chloroprenes, ethers (MTBE, ETBE), and trimethylbenzenes
	Feed water, Surface water	Aminotriazole, Ampa (aminomethylphosphonic acid), Glufosinate, Glyphosate, Chlormequat, Diquat, Mepiquat, Paraquat
	Surface water	Epichlorhydrin
	Surface water	Polychlorinated alkanes C10-C13
	Surface water	Acrylamide



Source of PT Provider	Matrix	Test
Bureau Interprofessionnel des Etudes Analytiques (BIPEA), French (CONTAMINANTS)	Surface water	Analysis of bisphenols (A and S), nonylphenols and octylphenols (including specific isomers and ethoxylated forms), covering endocrine-disrupting compounds in various structural forms
	Surface water	Includes organotin compounds analysis, covering mono-, di-, tri-, and tetra-substituted butyltin cations, as well as triphenyltin and dioctyltin cations
	Surface water	Analysis of chlorinated aniline derivatives, including mono- and dichloroanilines as well as nitro-substituted chloroanilines (2-Chloroaniline, 3,4-Dichloroaniline, 3-Chloroaniline, 3-Chloroaniline, 4-Chloroaniline)
	Surface water	Haloacetic acids (HAAs), covering chlorinated, brominated, and mixed halogenated acetic acid species commonly formed as disinfection by-products
	Surface water	Nitroaromatic compounds, specifically 1-Chloro-2-nitrobenzene, 1-Chloro-3-nitrobenzene, 1-Chloro-4-nitrobenzene, 2-Nitrotoluene, Nitrobenzène
	Surface water	2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, 2,4-Dichlorophenol, 2-Chlorophenol, 3-Chlorophenol, 4-Chlorophenol, 4-Chloro-3-methylphenol, Pentachlorophenol
	Surface water	Perfluorinated compounds PFAS: PFHxA, PFHxS, PFHpA, PFOA, PFOS, PFDA, PFDS, PFBA, PNON, PFBS, PPTS, PFHPS, PFNA, PFUNDA, PFDOA, PFTRDA, PFNS, PFUDs, PFDoS, PFTrDS



Source of PT Provider	Matrix	Test
Bureau Interprofessionnel des Etudes Analytiques (BIPEA), French (CONTAMINANTS)	Surface water	Pesticides, biocides, and emerging contaminants: phenoxy acids (e.g. 2,4-D, MCPA), triazoles, sulfonylureas, strobilurins, pyrethroids, neonicotinoids, phenylureas, carbamates, and other herbicides, fungicides, insecticides, and industrial compounds (e.g. bisphenol S, galaxolide, tolyltriazole, triclocarban)
	Surface water	Butylparaben, Ethylparaben, Methylparaben, Propylparaben
	Surface water	Acetochlor ESA, Acetochlor OXA, Alachlor ESA, Alachlor OXA, Dimetachlor OXA, Dimethenamid ESA, Flufenacet OXA, Flufenacet ESA, Metazachlor ESA, Metazachlor OXA, Metolachlor ESA, Metolachlor OXA
	Waste water (inlet and outlet) and industrial waste water	Includes organochlorine and organophosphate pesticides (e.g. DDTs, HCH isomers, aldrin, chlorpyrifos, diazinon), PCBs (e.g. PCB 28 to 180), chlorinated benzenes (e.g. HCB, trichloro- and pentachlorobenzenes), phthalates (e.g. DEHP, DBP), and other industrial pollutants such as biphenyl, tributyl phosphate, and hexachlorobutadiene. Also includes herbicides (metazachlor, metolachlor, norflurazon), polycyclic aromatic hydrocabons (PAH), volatile and semi-volatile organic compounds (VOCs and SVOCs) and herbicides (Aminotriazole, AMPA, Glufosinate, Glyphosate)



Source of PT Provider	Matrix	Test
Bureau Interprofessionnel des Etudes Analytiques (BIPEA), French (CONTAMINANTS)	Industrial waste water, Waste water outlet	Includes analysis of bisphenols (A and S), nonylphenols and octylphenols (including specific isomers and ethoxylated forms), targeting endocrine-disrupting compounds in various structural and functional forms
	Industrial waste water, Waste water outlet	Dibutyltin cation, Dioctyltin cation, Monobutyltin cation, Tetrabutyltin cation, Tributyltin cation, Triphenyltin cation
	Industrial waste water, Waste water outlet	Chloroanilines: 2-Chloroaniline, 3,4-Dichloroaniline, 3-Chloroaniline, 4-Chloro-2-nitroaniline, 4-Chloroaniline
	Industrial waste water, Waste water outlet	Chloroacetic acid, Dichloroacetic acid, Trichloroacetic acid, Bromoacetic acid, Dibromoacetic acid, Tribromoacetic acid, Bromochloroacetic acid, Bromodichloroacetic acid, Dibromochloroacetic acid
	Industrial waste water, Waste water outlet	Polychlorinated alkanes C10-C13
	Industrial waste water, Waste water outlet	Nitroaromatic compounds, specifically 1-Chloro-2-nitrobenzene, 1-Chloro-3-nitrobenzene, 1-Chloro-4-nitrobenzene, 2-Nitrotoluene, Nitrobenzène
	Industrial waste water, Waste water outlet	2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, 2,4-Dichlorophenol, 2-Chlorophenol, 3-Chlorophenol, 4-Chlorophenol, 4-Chloro-3-methylphenol, Pentachlorophenol
	Industrial waste water, Waste water outlet	Perfluorinated compounds PFAS: PFHxA, PFHxS, PFHpA, PFOA, PFOS, PFDA, PFDS, PFBA, PNON, PFBS, PPTS, PFHPS, PFNA, PFUNDA, PFDOA, PFTRDA, PFNS, PFUDs, PFDoS, PFTrDS



Source of PT Provider	Matrix	Test
Bureau Interprofessionnel des Etudes Analytiques (BIPEA), French (CONTAMINANTS)	Waste water (inlet and outlet) and industrial waste water	Organochlorine pesticides (DDT and derivatives, aldrin, dieldrin, endrin, isodrin, HCH isomers, chlordane, heptachlor, endosulfan), organophosphates (chlorpyrifos, diazinon, malathion, parathion, etc.), triazines, trichlorobenzenes and other halogenated aromatics (e.g. PCB 28, 52, 101, 118, 138, 153, 180), phthalates (DEHP, DBP, DEP, DMP, BBP), pentachlorobenzène, hexachlorobenzene (HCB), hexachlorobutadiene, tributylphosphate, biphenyl, herbicides (metazachlor, metolachlor, norflurazon), polycyclic aromatic hydrocabons (PAH), other legacy and emerging organic micropollutants
	Industrial waste water, Waste water outlet	Volatile and semi-volatile organic compounds (VOCs and SVOCs), including mono- and poly-substituted benzenes (e.g., benzene, toluene, xylenes, ethylbenzene), chlorinated and brominated benzenes, chlorinated ethenes and ethanes (e.g., dichloro-, trichloro-, tetrachloro-compounds), halogenated methanes, chlorotoluenes, chloroalkenes (e.g. vinyl chloride), and oxygenated compounds such as MTBE and ETBE
	Waste water outlet	Aminotriazole, Ampa (aminomethylphosphonic acid), Glufosinate, Glyphosate
	Drinking water, waste water	AOX
	Drinking water, waste water	Hydrocarbons
	Drinking water, waste water	Volatil Hydrocarbons



Source of PT Provider	Matrix	Test
Bureau Interprofessionnel des Etudes Analytiques (BIPEA), French (CONTAMINANTS)	Industrial waste water, Waste water outlet	Includes analysis of bisphenols (A and S), nonylphenols and octylphenols (including specific isomers and ethoxylated forms), targeting endocrine-disrupting compounds in various structural and functional forms
	Industrial waste water, Waste water outlet	Dibutyltin cation, Dioctyltin cation, Monobutyltin cation, Tetrabutyltin cation, Tributyltin cation, Triphenyltin cation
	Drinking water, surface water, groundwater.	A diverse set of pesticides and agrochemicals, phenoxy acids (2,4,5-T), sulfonylureas Flazasulfuron), fungicides (pyraclostrobine, chlorothalonil), carbamates and ureas (carbaryl, fenuron), organophosphates (Methidathion), chlorinated organics (Acétochlore, MCP), and other herbicides, insecticides, and growth regulators
	Fish	PAH, Pentachlorobenzene, Hexachlorobenzene, Heptachlor, Heptachlor epoxide, Dicofol, PBDE 28, PBDE 47, PBDE 99, PBDE 100, PBDE 153, PBDE 154, PBDE 183, PBDE 209, Mercury
	Demineralized water, Surface water	Pharmaceuticals and personal care products, hormones (e.g. estradiol, progesterone), analgesics and anti-inflammatories (e.g. ibuprofen, diclofenac, paracetamol), antibiotics (e.g. ciprofloxacin, clarithromycin, sulfamethoxazole), psychiatric and cardiovascular drugs (e.g. diazepam, metoprolol, propranolol, alprazolam), lipid regulators (e.g. gemfibrozil, bezafibrate), x-ray contrast agents (e.g. iopamidol, iopromide), and various drug metabolites and stimulants (e.g. caffeine, cotinine, tramadol)



Source of PT Provider	Matrix	Test
Bureau Interprofessionnel des Etudes Analytiques (BIPEA), French (MICROBIOLOGY & VIROLOGY)	Drinking water, well water, drilling water, bathing water	Total coliforms, <i>Escherichia coli</i> (<i>E. coli</i>), intestinal <i>enterococci</i> (with sanitary control and log-transformed results where applicable), MPN method, <i>Pseudomonas aeruginosa</i> , <i>Staphylococci</i> , total viable count (TVC) at 22°C and 36°C, spores of sulfite-reducing anaerobic bacteria (e.g. <i>Clostridium spp.</i>)
	Drinking water, well water, drilling water, bathing water	Total coliforms, <i>Escherichia coli</i> , <i>Enterococci</i> , Total viable count – TVC (culturable micro-organisms 22°C and 36°C), Spores of sulfite-reducing anaerobe bacteria (<i>Clostridium</i>).
	Drinking water, well water, drilling water, bathing water	<i>Pseudomonas aeruginosa</i> , pathogenic <i>staphylococci</i> , <i>Pseudomonas aeruginosa</i> (log), pathogenic <i>staphylococci</i> (log), <i>Pseudomonas aeruginosa</i> (sanitary control), pathogenic <i>staphylococci</i> (sanitary control), <i>Pseudomonas aeruginosa</i> (log, sanitary control), pathogenic <i>staphylococci</i> (log, sanitary control).
	Drinking water, well water, drilling water, bathing water	<i>E. coli</i> , <i>Enterococci</i> , and total coliforms determined by MPN method, including log-transformed results.
	Drinking water, well water, drilling water, bathing water	Yeasts and moulds
	Hot water for sanitary use	<i>Legionella spp</i> , <i>Legionella pneumophila</i>
	Synthetic cooling tower water	<i>Legionella spp</i> , <i>Legionella pneumophila</i>
	Drinking water, well water, drilling water, bathing water	<i>Salmonella</i> (presence / absence)



Source of PT Provider	Matrix	Test
Bureau Interprofessionnel des Etudes Analytiques (BIPEA), French (MICROBIOLOGY & VIROLOGY)	Water	GI Norovirus, GII Norovirus, Hepatitis A virus
	Output waste water	SARS CoV 2 (detection and quantification)
(TASTE)	Drinking water	Qualitative analysis of odour, savour, colour
	Drinking water	Odour (Treshold odour number), Flavour (Treshold flavour number)
(PHYSICS & CHEMISTRY)	Feed (raw materials and finished products)	Macronutrients (water content, raw protein, raw ashes, raw fat, fibers, starch, sugars), Minerals and Metals (Ca, P, Mg, K, Na, Fe, Cu, Mn, Zn, Se, Cl, S), Vitamins (A, D3, E), Veterinary drugs (e.g. carbadox, olaquinox, monensin), Biogenic amines (histamine, cadaverine, putrescine), Animal origin components, Pigments, Infrared analyses, Microscopic analyses, Fatty acid composition
	Forages	Dry matter, raw ashes, total nitrogen/protein, crude fiber, fiber fractions (NDF, ADF, ADL), carbon, total sugars, major minerals (P, Ca, Mg), trace elements (Zn, Cu, Fe), raw energy, and pepsin–cellulase digestibility
	Silages	Pre-desiccation forage analysis: residual moisture, total dry matter, crude fiber, starch, raw ashes, protein (total N, soluble N, ammoniacal N), Van Soest fiber fractions (NDF, ADF, ADL), carbon, fat (with/without hydrolysis), minerals (P, Ca, Mg, Zn, Cu, Fe), pH, lactic acid, alcohols, volatile fatty acids, and pepsin–cellulase digestibility



Source of PT Provider	Matrix	Test
Bureau Interprofessionnel des Etudes Analytiques (BIPEA), French (PHYSICS & CHEMISTRY)	Feed (raw materials and finished products)	Amino acids by hydrolysis method, Free amino acids
	Premix	Minerals (e.g. Ca, P, Na, Fe, Cu, Zn, Mn, Co, Se, I), electrolytes (chlorides as NaCl), total sulphur, heavy metals (Cd, Pb, As, Hg), moisture & ash (total, HCl-insoluble), vitamins (A, D3, E, B1, B6, B9, B12, β -carotene), and choline
	Aquaculture feeds	Physico-chemical analyses, nutritional value, minerals, amino acid composition, vitamins, pigments, microscopic analyses, fatty acid composition, drug residues, other parameters...
	Feed – Dog and Cat (raw materials and Finished products)	Macronutrients (water content, raw protein, raw ashes, raw fat, fibers), Minerals and Metals (Ca, P, Mg, K, Na, Fe, Cu, Mn, Zn, Se, I, S), Vitamins (A, D3, E, C, B1, B2, B3, B5, B6, B9, B12, Biotin, Choline, Tocopherols), Additives (BHA, BHT), Chlorides (as NaCl), Biogenic amines (histamine, cadaverine, putrescine, spermine, spermidine), Amino acids (e.g. lysine, methionine, tryptophan, taurine), Total amino acid content, Fatty acid composition, Fatty acid sums, Mycotoxins
(CONTAMINANTS)	Raw material: Proteaginous (Soya meal)	Organochlorines (aldrin, endrin, lindane, chlordane), Organophosphates (chlorpyrifos-methyl, diazinon, ethion, parathion), Pyrethroids (bifenthrin, cypermethrin, deltamethrin, lambda-cyhalothrin, permethrin), Herbicides (glyphosate, fluazifop, pendimethaline), Fungicides (boscalid, carbendazim, tebuconazole, vinclozolin), Synergists (PBO), and other insecticides (indoxacarb, malathion, pirimiphos-methyl)

Source of PT Provider	Matrix	Test
 Bureau Interprofessionnel des Etudes Analytiques (BIPEA), French (CONTAMINANTS)	Feed	Aflatoxins (B1, B2, G1, G2, Sum), Ochratoxin A, Trichothecenes (DON, DON-3-glucoside, 3/15-acetyl-DON, Nivalenol, T2, HT2, T2+HT2), Zearalenone, Fumonisin (B1, B2, Sum), Emerging mycotoxins (Beauvericin, Enniatins A, A1, B, B1)
	Feed	Dry matter, Aluminium, Total arsenic, Speciation criterion, Cadmium, Chromium, Cobalt, Total tin, Fluorine, Iodine, Manganese, Total mercury, Molybdenum, Nickel, Lead, Selenium, Titanium, Copper.
	Cereals	Aflatoxins (B1, B2, G1, G2, Sum), Ochratoxin A, Trichothecenes (DON, DON-3-glucoside, 3/15-acetyl-DON, Nivalenol, T2, HT2, T2+HT2), Zearalenone, Fumonisin (B1, B2, Sum), Emerging mycotoxins (Beauvericin, Enniatins A, A1, B, B1)
	Fish	Chloramphenicol, Nitrofurans
	Animal feed	Penicillins (e.g. amoxicillin, penicillin V), tetracyclines (e.g. doxycycline), sulfonamides (e.g. sulfadiazine), macrolides (e.g. tylosin, spiramycin), aminoglycosides (e.g. neomycin, spectinomycin), fluoroquinolones (e.g. enrofloxacin, flumequine, oxolinic acid), ionophores (e.g. monensin, salinomycin, lasalocid, narasin, maduramycin, semduramicin), nitroimidazoles (e.g. dimetridazole), and others such as tiamulin, florfenicol, and valnemulin, thiamphenicol, clopidol, decoquinate, diclazuril, halofuginone, robenidine, carbadox, colistin, lincomycin, amprolium, flubendazole, nicarbazine..



Source of PT Provider	Matrix	Test
Bureau Interprofessionnel des Etudes Analytiques (BIPEA), French (MICROBIOLOGY)	Feed	<i>Salmonella spp</i> (detected / not detected)
	Feed	<i>Listeria</i> (detected / not detected)
(GMOs – DNA)	Corn, Soya	Qualitative analyses and quantification
	Finished products (biscuits, chips..) + Mix sample for detection	Qualitative and quantitative analysis of GMOs in finished products, including detection and quantification of specific GMO corn events (e.g. MON810, NK603, TC1507, MIR162) and GMO soya (e.g. RRS), as well as screening for common transgenic elements (P35S, NOS).
(Physico-chemical analyses)	Common wheat	Physico-chemical analyses, analysis on grains, flour, milling test
	Common wheat	Identification of varieties
	Durum wheat	Physico-chemical analyses, Sieve control, Impurities determination, Mitadine
	Grains	Analysis according the addendum I, II, V Sieve control
	Grains, Flour	Moisture content
	Grains	Physico-chemical analyses, Fatty acid composition
	Soya	Physico-chemical analyses, Fatty acid composition
	Barley	Physico-chemical analyses, Sieve control, Germination test, Infrared analyses
	Grains	Analyses according the Addendum n°VII
	Barley	Specific and varietal purity
	Common wheat	Milling test, Bread making, characteristics of the dough, Sensory analysis
	Rice	Physico-chemical analyses



Source of PT Provider	Matrix	Test
Bureau Interprofessionnel des Etudes Analytiques (BIPEA), French (Drink: PHYSICS & CHEMISTRY)	Different type of wines (sparkling, aromatized, liquor, sweet), wine flavored drink	Density, Alcoholic Strength, Total Dry Extract, pH, Acidity (Total and Volatile), organic acids (acetic, malic, lactic, citric, tartaric, ascorbic...), Reducing Substances, Glucose, Fructose, Sulfur Dioxide (total and free), Optical Density (280, 420, 520, 620 nm), Folin Index, minerals (Ca, Mg, Cu, Fe..), CO2, Turbidity, Overpressure, Nitrogen (Ammoniacal, Alpha-Amino, Total), CIELAB values (L*, a*,b*), volatile compounds (ethanal, methanol, esters), HMF, tartaric stabilization, Relative composition of anthocyanins, energy values...
	Grape juice, Rectified must	Density, Alcoholic Strength (Natural or Potential), BRIX degree, REFRACTIVE INDEX, pH, Acidity (Total and Volatile), organic acids (acetic, malic, tartaric, ascorbic...), Reducing Substances, Glucose, Fructose, Sulfur Dioxide, Optical Density (280, 420, 520, 620 nm), minerals (Ca, Mg, Cu, Fe..), Turbidity, HMF, Nitrogen (Ammoniacal, Alpha-Amino, Assimilable, Total), sorbitol, anthocyanins, and ochratoxin A
	Dealcoholized wine	Density, Alcoholic Strength, Total Dry Extract, pH, Acidity (Total and Volatile), organic acids (acetic, malic, lactic, citric, tartaric, ascorbic...), Reducing Substances, Glucose, Fructose, Sulfur Dioxide (total and free), Optical Density (280, 420, 520, 620 nm), Minerals (Ca, Mg, Cu, Fe..),Turbidity, Nitrogen (Ammoniacal, Alpha-Amino, Total), CIELAB values (L*, a*,b*), volatile compounds (ethanal, methanol, esters), energy values...



Source of PT Provider	Matrix	Test
Bureau Interprofessionnel des Etudes Analytiques (BIPEA), French (Drink: PHYSICS & CHEMISTRY)	Liquors, Spirits, alcohols	Density, alcohol content (apparent/true), dry extract, sugars (glucose, fructose, sucrose, lactose, maltose), acidity (total, fixed, volatile), acetic acid, glycerol, pH, aldehydes, esters, methanol, higher alcohols, furfural, volatile substances, sulfur dioxide, minerals (Ca, Mg, Fe, Zn, Cu, Pb), optical density (280–62 nm), turbidity, tannin, refractive index, Brix, energy value,...
	Distillate	Density, alcoholic strength (apparent/true), dry and fixed acidity, volatile compounds (aldehydes, esters, higher alcohols like isobutanol, isoamyl acetate), methanol, ethyl carbamate
	Aniseed spirits drinks	Anethol, cis-Anethol, trans-Anethol, Anisaldehyde, Anisole, Estragole, Glycyrrhizic acid, Thujones
	Dealcoholized spirits	Density, alcohol content (apparent/true), ethanol, dry extract, sugars (glucose, fructose, sucrose, lactose, maltose), acidity (total, volatile), glycerol, pH, aldehydes, esters, methanol, higher alcohols, furfural, volatile substances, sulfur dioxide, minerals (Ca, Fe, Zn, Cu, Pb), optical density (280–620 nm), turbidity, refractive index, Brix, energy value,...
	Juice, Nectar, Sodas, Smoothie, energy drinks	Physico-chemical analyses, Higher alcohols, Metals and Minerals, Sugars, Organic and Inorganic compounds, Volatile compounds, Preservatives



Source of PT Provider	Matrix	Test
Bureau Interprofessionnel des Etudes Analytiques (BIPEA), French (Drink: PHYSICS & CHEMISTRY)	Juice, Nectar, Smoothie	Physical analysis, Sugars, Inorganic compounds, Volatile compounds, Preservatives
	Sodas, softs drinks, energy drinks	Physico-chemical analyses, higher alcohols, inorganic compounds
	Aromatized ciders	Sulphur dioxide (free/total, corrected/uncorrected), alcohol content, density, pH, carbon dioxide, sugars (total, glucose+fructose, maltose), acids (acetic, malic, lactic, ascorbic), volatile and titratable acidity, methanol, ethanal, ethyl acetate, ash content, metal residues (copper, lead, iron), color (EBC, L*, a*, b*), haze, dry extract (total/sugar-free), Folin index, Turbidity
	French ciders, Perry / Pommeaux	Sulphur dioxide (free/total), ethanol, methanol, acetals, esters (e.g. ethyl acetate), density, alcoholic strength, CO ₂ /overpressure, sugars (total, glucose+fructose, maltose), acidity (total, volatile, acetic, malic, lactic), pH, haze, metals (Cu, Pb, Fe), dry extract, color (EBC, L*, a*, b*), Folin index, Turbidity, Ash Content
	Port wines, Pineau, Marsala, Xeres	Physico-chemical analyses, higher alcohols, inorganic compounds
	Crude alcohol, Neutral alcohol	Physico-chemical analyses, higher alcohols, inorganic compounds, denaturants



Source of PT Provider	Matrix	Test
Bureau Interprofessionnel des Etudes Analytiques (BIPEA), French (Drink: PHYSICS & CHEMISTRY)	Dehydrated alcohol	Gallic acid, H.M.F (Hydroxymethylfurfural), Furfural, 5-Methyl-furfural, Vanillic acid, Syringic acid, Vanillin, Syringic aldehyde, Scopoletine, Coniferaldehyde, Sinapaldehyde, Ellagic acid, flavour (Guaiacol, Linalol, Eugenol...)
	Spirits	Gallic acid, H.M.F (Hydroxymethylfurfural), Furfural, 5-Methyl-furfural, Vanillic acid, Syringic acid, Vanillin, Syringic aldehyde, Scopoletine, Coniferaldehyde, Sinapaldehyde, Ellagic acid, flavour (Guaiacol, Linalol, Eugenol...)
	Vinegar	Composition (density, dry extract, alcohol, pH), acidity (total, fixed, volatile), sugars (glucose + fructose), SO ₂ (free/total), acids (citric, malic, tartaric, succinic), metals (Cu, Zn, Fe, Pb, Li, Hg), volatiles (methanol, ethyl acetate, higher alcohols), minerals (chlorides, sulfates), and absorbance (420, 520, 620 nm), Ash content /not-volatile reducing substances, ascorbic acid/ glycerol
	Wines	Gallic acid, HMF, furfural, 5-methylfurfural, vanillic acid, syringic acid, vanillin, scopoletin, syringic aldehyde, coniferaldehyde, sinapaldehyde, ellagic acid
	Beer blonde, dark, alcohol free	Alcoholic strength, density, extract content, attenuation, bitterness, color (EBC), turbidity, CO ₂ , O ₂ , sugars (glucose, fructose, sucrose, maltose), carbohydrates, proteins, lipids, energy, pH, acidity (total, volatile), volatiles (ethanal, acetal, ethyl acetate, diacetyl), higher alcohols, and minerals (Ca, Mg, Na, K, Zn, Fe, Cu, Pb, phosphates, sulphur dioxide)



Source of PT Provider	Matrix	Test
Bureau Interprofessionnel des Etudes Analytiques (BIPEA), French (Drink: CONTAMINANTS)	Wines	Triazoles (e.g. tebuconazole), strobilurins (e.g. azoxystrobin, pyraclostrobin), pyrethroids (e.g. Permethrine), organophosphates (e.g. chlorpyrifos), dicarboximides (e.g. iprodione), and others such as glyphosate, fosetyl-AL, boscalid, dimethomorph, fludioxonil, and carbendazim.
	Fruits juice	Dry Matter, Aluminium, Total Arsenic, Cadmium, Chromium, Cobalt, Total Tin, Fluorine, Iodine, Manganese, Total Mercury, Molybdenum, Nickel, Lead, Selenium, Titanium, Copper
	Wines	Biogenic amines (e.g. histamine, tyramine, putrescine), ochratoxin A, ethyl carbamate, benzoic acid, sorbic acid, salicylic acid, metatartaric acid, volatile alcohols, methanol, butanols, geosmin, vinyl phenol, glycols (e.g. monoethylene glycol), B-Tex (benzene, toluene...), phthalates and plasticizers (e.g. diethylphtalate, bisphenol A), trace elements (e.g. aluminium, cadmium, lead, mercury, zinc), haloanisoles and halophenols,...
	Wines	Biogenic amines (e.g. histamine, tyramine, putrescine), ochratoxin A, ethyl carbamate, benzoic acid, sorbic acid, salicylic acid, metatartaric acid, volatile alcohols, methanol, butanols, geosmin, vinyl phenol, glycols (e.g. monoethylene glycol), B-Tex (benzene, toluene...), phthalates and plasticizers (e.g. diethylphtalate, bisphenol A), trace elements (e.g. aluminium, cadmium, lead, mercury, zinc)..



Source of PT Provider	Matrix	Test
Bureau Interprofessionnel des Etudes Analytiques (BIPEA), French (Drink: CONTAMINANTS)	Wines	Haloanisoles, Halophenols
	Oak wood	2,4,6-Tribromoanisole, 2,4,6-Trichloroanisole, 2,3,4,6-Tetrachloroanisole, Pentachloroanisole, 2,4,6-Tribromophenol, 2,4,6-Trichlorophenol, 2,3,4,6-Tetrachlorophenol, Pentachlorophenol, Lindane
	Corks macerate	2,4,6-Trichloroanisole, 2,3,4,6-Tetrachloroanisole, Pentachloroanisole, 2,4,6-Tribromoanisole, 2,4,6-Trichlorophenol, 2,3,4,6-Tetrachlorophenol, Pentachlorophenol, 2,4,6-Tribromophenol
	Wines	Casein, Lysozyme, Ovalbumine, Egg proteins, Beta-lactoglobuline, Gluten
	Spirits	Phthalates, Ethyle carbamate, Copper, Tin, other contaminants
	Beer	Copper, Iron, Zinc, Aluminum, Lead, Magnesium, Potassium, Calcium, Arsenic, Selenium, Tin, Mercury, Cadmium, Nitrosamines (NDMA)
(Drink: MICROBIOLOGY)	Fruit juice	Enumeration: Yeasts, Moulds, <i>Mesophile flora</i> at 30°C Detection and/or enumeration: <i>Alicyclobacillus</i>
	Wines	Yeasts (<i>Brettanomyces</i>), <i>acetic and lactic bacteria</i> , Yeasts and Moulds
(Drink: SENSORY ANALYSES)	Red wine, White wine	Wines sensory defects

Source of PT Provider	Matrix	Test
National Measurement Institute (NMI), Australia	Cucumber	Pesticide
	Fish Meal	Moisture
	Fish Meal	Ash
	Fish Meal	Nitrogen
	Fruit	Pesticides: - Methomyl - Carbaryl - Carbofuran
	Fruit and Vegetable	Synthetic pyrethroids
		Carbamates
		Organophosphorus
		Organophosphate
		Endosulfan sulfate
		Bifenthrin
		Chlorpyrifos
		Maldison spinosad
		Diazinon
		Pyrethroid pesticides
	Goldfish food	Moisture
	Goldfish food	Nitrogen
	Goldfish food	Ash
	Grain and Grains product	Metalaxyl
	Grain and Grains product	Atrazine
	Nectarine	Chlorpyrifos
	Nectarine	Carbaryl
	Nectarine	Cypermethrin
	Orange	Pesticide
	Soil	Heptachlor
	Soil	Diazinon
	Soil	Dieldrin
	Soil	Permethrin

Source of PT Provider	Matrix	Test
National Measurement Institute (NMI), Australia	Soil	Endosulfan sulfate
	Soil	Chlorpyrifos
	Soil	Bifenthrin
	Tomato	Methamidophos
	Tomato	Endosulfos sulphate
	Tomato	Chlorpyrifos
	Tomato	Carbaryl
	Tomato	Pesticide
	Vegetable, Tomato, Mango	Organochloride residue
		Synthetic pyrethroid
	Vegetables	Pesticides: - Bifenthrin - Diazinon - Endosulfan - Sulfate - Bifenthrin - Chlorpyrifos - Maldison Spinosad - Bifenthrin - Diazinon - Endosulfan - Sulfate - Bifenthrin
European Directorate for the Quality of Medicines & Health Care EDQM, France	blood products	Bacterial endotoxins
	Drinking water in seal contains	Fecal coliforms Salmonella spp. Total Coliforms

Source of PT Provider	Matrix	Test
Agency Francaise de:securite Sanitaire des aliments (AFSSA), France	Chicken	Nitrofurantol metabolites
	Fish	Malachite Green
	Fish	Leucomalachite Green
	Tilapia	Nitrofurantol metabolites
	Whole egg	Sulfonamides
IFM Quality services Pyt Ltd. Australia	Pancake Mix	Coagulase positive staphylococcus count
		<i>Clostridium perfringens</i>
		Enterococcus count
		<i>Escherichia coli</i> O157 Presence/Absence
		Salmonella spp.e Presence/Absence
		<i>Listeria monocytogenes</i>
		<i>Listeria spp. Presence/Absence</i>
	Pannettone (Freeze dried)	<i>Escherichia coli</i>
		Mold Count
		Yeast Count
		Plate Count
		Coliform Count
	Infant formula	Total plate count
		<i>Escherichia coli</i>
		Fecal coliform
		Total yeast and mold
		<i>Bacillus cereus</i>
		<i>Salmonella spp. ssp.</i>
	Polenta	<i>Staphylococcus aureus</i>
		<i>Listeria monocytogenes</i>
		<i>Clostridium perfringens</i>
		<i>Enterococci</i>
		<i>Listeria spp.</i>
		Coliform Bacteria
		Lactic acid bacteria

Source of PT Provider	Matrix	Test
NATA, Australia	Freeze dried culture ball	Total coliform
		Total <i>Escherichia coli</i>
	Water	Cyanide
		Chloride (Cl)
		Copper (Cu)
American Oil Chemists Society (AOCS) , USA	Cheese powder, egg powder	Phosphorus
		Trans fat
	Unground Soybean Meal	Nitrogen
		Moisture
		Urease Activity
		Crude Fiber
	Nutraceutical oil	Acid Value
	Olive oil	acid value
		Free Fatty acid value
		Fatty acid composition
	Egg yolk powder	Cholesterol
	whole egg powder	Cholesterol
	Powdered turkey	Cholesterol
	Powdered chicken	Cholesterol
	Desiccated	Cholesterol
	Dough	Protein
	Palm Oil	Free Fatty acid value
	Palm Oil	Iodine value
	Fish meal	Crude protein (Gafta)
	Fish meal	Moisture (Gafta)
	Fish meal	Ash (Gafta)
Public Health Laboratory Service (PHLS) English	Lyophilized culture	<i>B. cereus</i>
		Coliform
		<i>Escherichia coli</i>
		<i>Salmonella spp.</i>
		<i>Staphylococcus aureus</i>
		Total Plate Count
		Total Viable Count (TVC)

Source of PT Provider	Matrix	Test
APMP-APAC (APAC T111)	Sample	(GM) Maize Line MON87427
	Corn	%GMO (RRS)
	Skimmed milk (UHT)	Melamine
Grain Inspection Packers and Stockyards Administration (GIPSA), USA	Soybean	Ca MV 35S – promoter
	Soybean	NOS - terminator
	Corn	Ca MV 35S – promoter
	Corn	NOS - terminator
	Corn	%GMO (RRS)
	Corn	%GMO (Mon 810)
MFRD/SEAFDEC SINGAPORE	Metallic contaminant	Cadmium
Food Inspection-Agency CANADA	Fishery product	Histamine
Canadian Food Inspection Agency.	Canned fish	Mercury
	Canned Tuna	Histamine
	Fish sauce	Histamine
	Tissue sample	
Canadian Association for Environmental Analytical Laboratories (CAEAL).	Mercury in Water	Mercury
Institute for Interlaboratory Studies (IIS) Netherlands.	Sunflowers oil Rapeseed oil, Soya oil	Cadmium
Institute for Animal Health, UK	Cattle, Fluid Collected	Liquid phase blocking ELISA (LP ELISA)
	Cattle, Fluid Collected	Non-structure protein (NS) test
AQA, England	Tomato	Organophosphate Pesticide
	Mango	Organophosphate Pesticide
Government of Canada Canadian Food Inspection Agency (HPA).	Canned fish	Histamine
	Canned fish	Hg
MAPS Scheme mana, LGC, UK	Malt	Extract Malt Beta Glucan Moisture

Source of PT Provider	Matrix	Test
Nestle Research Central Quality system, Switzerland	Milk Powder	Aerobic mesophilic spores (Enumeration)
		<i>Bacillus cereus</i> presumptive=vegetative cells and spores (Enumeration)
		Probiotic
		(BIFIDOBACTERIUM/BL999 (NCC 3001)
		<i>Listeria Monocytogenes</i>
		<i>Listeria</i> spp.
		<i>Cronobacter sakazakii</i>
		<i>Clostridium perfringens</i>
		<i>Salmonella</i> spp.
Progetto Trieste Secretariat Test Veritas S.r.l., Italy	Swine Muscle	Sulfonamides
CIPA Collaborative, Germany	Pesticide Formulation	Cymoxanil Deltamethrin Ametrine Chlorothalonil Carbaryl
BASF Global Research Corp. Company, Germany	Pesticide Formulation	Cymoxanil Deltamethrin Ametrine Chlorothalonil Carbaryl
European Union National Reference Laboratory, Germany	Egg	Nitroimidazole
German Society for Fat Science, (DGF) Germany	Vegetable oil	Free fatty acid
	Vegetable oil	Antioxidant: BHA
	Vegetable oil	Antioxidant: BHT
	Vegetable oil	Iodine value

Source of PT Provider	Matrix	Test
Romer Laboratory Inc, USA	Corn	Mycotoxin: Zearalenone (Zon)
Dienstleistung Lebensmittel Analytik (DLA), USA	Granular feed	Protein
	Granular feed	Ash
	Granular feed	Fat (Acid hydrolysis)
	Granular feed	Crude fiber
	Peanut in pastry	Allergen
The Grain and Feed Trade Association (GAFTA), UK	Feed	Protein
	Feed	Ash
RTC- SIGMA, USA.	Water supply	Staphylococcus aureus

Source of PT Provider	Matrix	Test
Bureau of Quality and Safety of food, Department of Medical Sciences.	Alimentary Pastes	Light filth
	Beverage	Benzoic acid and Sorbic acid
	Beverage Drinking water in seal contains	Chloride
		<i>Escherichia coli</i>
		Fecal Coliform
		Fluoride
		Fluoride Iron
		Iron, Cadmium, Lead
		Nitrate
		pH
		<i>Salmonella spp.</i>
		Total Coliforms
		Total Hardness
		Total Solids
	Chicken fat	Organochlorine
	Chicken fat	pp'-DDE
	Chili pastes	Light filth
	Corn	Aflatoxin B&G/or Total
	Corn	Aflatoxin
	Corn	Mycotoxin: Aflatoxin (AF)
	Culture	<i>Bacillus cereus</i>
	Culture	<i>Escherichia coli</i>
	Culture	<i>Salmonella spp.</i>
	Culture	<i>Staphylococcus aureus</i>
	Dried Beverages and Yeast	Yeast and Mold
	Fat	Organochlorine
	Fish	<i>Vibrio parahaemolyticus</i>
	Food	Benzoic acid
	Food	Sorbic acid
	Food	Total Bacteria
	Food	<i>Vibrio cholerae</i>
	Freeze dried shrimp	<i>Vibrio parahaemolyticus</i>

Source of PT Provider	Matrix	Test
Bureau of Quality and Safety of food, Department of Medical Sciences.	Ice	Lead (Pb)
	Ice	<i>Staphylococcus aureus</i>
	Lyophilized culture	<i>Staphylococcus aureus</i>
	Lyophilized culture	<i>Listeria monocytogenes</i>
	Lyophilized culture	<i>Salmonella spp.</i>
	Mayonnaise	Benzoic acid
	Mayonnaise	Sorbic acid
	Mayonnaise	Benzoic acid
	Mayonnaise	Sorbic acid
	Milk cow	Total Solids
	Milk cow	Lactose
	Milk cow	Fat
	Milk cow	Protein
	Milk UHT	Protein
	Milk UHT	Fat
	Milk UHT	Moisture
	Noodle	Light filth
	Peanuts	Aflatoxin B&G/or Total
	Peanuts	Aflatoxin
	Plastic (PE)	Lead (Pb)
	Plastic (PP)	Cadmium (Cd)
	Poultry process	Fecal Coliform
	Poultry process	<i>Listeria spp.</i>
	Rice flour	Light filth
	single color	Chromium.
		Total weight lost
		Lead
		single colour
		Zinc
		Substances Extract with ether.
		Arsenic

Source of PT Provider	Matrix	Test
Bureau of Quality and Safety of food, Department of Medical Sciences.	Soft drink, Water and Soil	Insecticides
	Syrup	Azorubine
		Tartrazine
		Benzoic acid
		Sorbic acid
		Benzoic acid
	Water	Arsenic
		Cadmium (Cd)
		Iron
		Lead (Pb)
		Manganese
		Chloride
		Fecal Coliform
		Fluoride
		Hardness
		Nitrate
		<i>Staphylococcus aureus</i>
		Total Coliforms
		Total hardness
		Chloride
		Chloride and Hardness
		Heavy metals (iron, manganese, lead).
		Arsenic
		Chromium (Cr)
		Manganese (Mg)
		Copper (Cu)
		Zinc (Zn)
		Arsenic (As)
		Selenium (Se)
		Iron (Fe)
		Aluminum (Al)
		Silver (Ag)

Source of PT Provider	Matrix	Test
Bureau of Quality and Safety of food, Department of Medical Sciences.	Water	Cadmium (Cd)
		Barium (Ba)
		Lead (Pb)
		Chloride
		Fluoride
		Nitrate
		Sulfate
Bureau of Laboratory Accreditation, Department of Science Service.	Matrix	Test
	DLA 19-2013 Contaminated Food	Lead
	DLA 19-2013 Contaminated Food	Cadmium (Cd)
		Mercury
		Arsenic
	Fat	Organochlorine
	Feed Additives	Yeasts
	Feeding stuff	Potassium (K)
		Calcium (Ca)
		Phosphorus (P)
		Copper (Cu)
		Iron (Fe)
		Manganese (Mn)
		Ash
		Crude Fiber
		Fat
		Iron (Fe)
		Moisture
		Phosphorus
		Protein
		Lead (Pb)
		Arsenic (As)
		Zinc (Zn)
		Sodium (Na)

Source of PT Provider	Matrix	Test
Bureau of Laboratory Accreditation, Department of Science Service.	Flour	Aerobic Plate Count
		Ash
		Fat
		Moisture
		Protein
		Total Plate Count
	Meat & Bone	Ash
		Fat
		Moisture
		Protein
	Milk	Total Plate Count
	Milk Powder	Ash
		Fat
		Iron (Fe)
		Moisture
		Nitrogen
		Protein
		Total Nitrogen
		Zinc
	Milk starch	Fat
	Milk starch	Moisture
	Milk starch	Protein
	Residue on evaporation n-Heptane	Residue on evaporation
	Soy Bean Flake	Aerobic plate count
	Soy Bean Flake	Aerobic Plate count
	Soy Bean Flake	Coliforms (MPN/g)

Source of PT Provider	Matrix	Test
Bureau of Laboratory Accreditation, Department of Science Service.	Pastries	Sorbic acid
	Pastries	Propionic acid
	Pastries	Benzoic acid
	Tinplate No.25,50,75,100	Tin Coating weight
	Water	pH
	Water	Chromium (Cr)
	Condiments	Total plate count
	Cow's Milk and Flavored Milk	<i>Bacillus cereus</i>
	Cow's Milk and Flavored Milk	<i>Clostridium perfringens</i>
	Cow's Milk and Flavored Milk	<i>Coliforms</i>
	Cow's Milk and Flavored Milk	<i>Escherichia coli</i>
	Cow's Milk and Flavored Milk	Salmonella spp.e
	Cow's Milk and Flavored Milk	<i>Staphylococcus aureus</i>
	Cow's Milk and Flavored Milk	Total Plate Count
	Pineapple	Sodium (Na)
	Pineapple	Calcium (Ca)
	Pineapple	Iron (Fe)
	Pineapple	Magnesium (Mg)
	Pineapple	Potassium (K)
	Pineapple	Phosphorus (P)
	Pineapple	Manganese (Mn)
	Pineapple	Zinc (Zn)
	Pineapple	Arsenic (As)
	Pineapple	Cadmium (Cd)

Source of PT Provider	Matrix	Test
Bureau of Laboratory Accreditation, Department of Science Service.	Pineapple	Copper (Cu)
	Pineapple	Mercury (Hg)
	Pineapple	Lead (Pb)
	Pineapple	Tin (Sn)
	Pig Feed	Moisture
	POWDERED MILK	Ash
	POWDERED MILK	Fat
	POWDERED MILK	Moisture
	POWDERED MILK	Total nitrogen
	Water	Copper (Cu)
	Water	Zinc (Zn)
	Water	Arsenic (As)
	Meat	<i>Escherichia coli</i>
	Starch	Aerobic Plate Count
	Starch	Ash
	Starch	Fat
	Starch	Moisture
	Starch	Total nitrogen
	Starch	Yeast and Mold
	Starch	Total plate count
	Green Bean	Dimethoate
	Green Bean	Profenofos
	Food	Total bacteria
	Water	Cadmium (Cd)
	Water	Lead (Pb)
	Water	Mercury (Hg)
	Water	Manganese (Mn)
	Water	Iron (Fe)

Source of PT Provider	Matrix	Test
Bureau of Laboratory Accreditation, Department of Science Service.	Water	Nickel (Ni)
	Water	Total hardness
	Water	chloride
	Animal feed	Crube Fiber
	Animal feed	Fat
	Animal feed	Ash
	Animal feed	Moisture
	Animal feed	Protein
Thailand Institute of Scientific and Technological Research (TISTR).	Curry paste	Sorbic acid
		Sodium benzoate
		Benzoic acid
Department of Agriculture	Tapioca flour	Yeast and Mold
	Insect parts, hair mice	Light filth
Institute of Food Research and Product Development, Kasetsart University.	Starch	Aerobic plate count
	Meat/Milk Powder	Coliforms
	Meat/Milk Powder	<i>Escherichia coli</i>
	Meat/Milk Powder	<i>Salmonella spp.</i>
	Meat/Milk Powder	<i>Staphylococcus aureus</i>
	Meat	<i>Salmonella spp.</i>
	Meat	<i>Escherichia coli</i>
Fish Inspection and Quality Control Division	Seafood and seafood product	Oxalinic acid
		Tetracycline group
		Nitrofurantoin (parent drug)
		- NFZ - NFT - FZD - FTD
		Malachite green
		Leuco malachite green
		Fluoroquinolones
		Benzoic acid & Sorbic Acid
		Sulfur dioxide

Source of PT Provider	Matrix	Test
Fish Inspection and Quality Control Division	Seafood and seafood product	Total phosphorus (as P ₂ O ₅)
		Mercury (Hg)
		Cadmium (Cd)
		Lead (Pb)
		Histamine
	Shrimp	Phosphate (P)
Institute of Nutrition, Mahidol University.	Milk Powder	Ash
	Milk Powder	Calcium
	Milk Powder	Cholesterol
	Milk Powder	Moisture
	Milk Powder	Protein
	Milk Powder	Saturated fat
	Milk Powder	Sodium
	Milk Powder	Sugar
	Milk Powder	Total fat
	Milk Powder	Vitamin B ₁
	Milk Powder	Vitamin B ₂
	Milk Powder	Vitamin C
	Rice	Vitamin B ₁
	Rice 1/Rice 2	Moisture
	Rice 1/Rice 3	Protein
	Rice 1/Rice 4	Ash
	Rice 1/Rice 5	Iron
	Rice 1/Rice 6	Vitamin B ₁
	Whole wheat cracker and cracker powder	Vitamin B1
		Vitamin B2
	Weaning Food	Ash
	Weaning Food	Calcium
	Weaning Food	Cholesterol
	Weaning Food	Dietary Fiber
	Weaning Food	Iron
	Weaning Food	Moisture

Source of PT Provider	Matrix	Test
Institute of Nutrition, Mahidol University.	Weaning Food	Protein
	Weaning Food	Sodium
	Weaning Food	Sugar
	Weaning Food	Total fat
	Broad bean powder	Total dietary fiber
	Cracker powder	Sodium (Na)
	Cracker powder	Calcium (Ca)
	Cracker powder	Iron (Fe)
	Wheat flour	Aw (Water Activity)
	Milk powder	Aw (Water Activity)
	Curry	Aw (Water Activity)
	Food fish	Ash
	Food fish	Fat
	Food fish	Moisture
	Food fish	Nitrogen
	Milk Powder	Vitamin B ₁
	Milk Powder	Vitamin B ₂
	Cereal mixed	Calories
	Cereal mixed	Calories from fat
	Broad bean	Calories
	Broad bean	Calories from fat

Source of PT Provider	Matrix	Test
National Food Institute.	Beef	<i>Escherichia coli</i>
	Beef	Coliform
	Beef	<i>Staphylococcus aureus</i>
	Beef	Sulfite Reducing Clostridia
	Beef	<i>Salmonella spp.</i>
	Broth	Yeast & Mold
	Broth	Fecal coliform
	Chicken	Aerobic Plate Count
	Chicken	<i>Listeria monocytogenes</i>
	Chicken	Total viable count
	Chicken	<i>Escherichia coli</i>
	Chicken	Coliform
	Chicken	<i>Salmonella spp.</i>
	Canned food	Sodium Chloride (NaCl)
	Canned food	Thermophile Flat Sour
	Culture	<i>Salmonella spp.</i>
	Culture	<i>Vibrio cholerae</i>
	Animal feed	Fat
	Food Stuff	Moisture
	Freeze dried Shrimp	Total Plate Count
	Freeze dried Shrimp	<i>Salmonella spp.</i>
	Freeze dried	Yeast & Mold
	Freeze-dried format	<i>Vibrio cholerae</i>
	Lyophilized culture	<i>Bacillus cereus</i>
	Lyophilized culture	Total viable count
	Lyophilized culture	Aerobic Plate Count
	Lyophilized culture	<i>Escherichia coli</i>
	Lyophilized culture	Coliform
	Lyophilized culture	Coliforms (Enumeration)
	Lyophilized culture	Enumeration of Coliforms
	Lyophilized culture	<i>Enterococcus</i>
	Lyophilized culture	<i>Listeria spp.</i>
	Lyophilized culture	<i>Listeria monocytogenes</i>
	Lyophilized culture	<i>Salmonella spp.</i>

Source of PT Provider	Matrix	Test
National Food Institute.	Lyophilized culture	<i>Staphylococcus aureus</i>
	Lyophilized culture	MPN Fecal Coliforms
	Lyophilized culture	Total Plate Count
	Lyophilized culture	MPN <i>Escherichia coli</i>
	Lyophilized culture	<i>Bacillus cereus</i>
	Lyophilized culture	<i>Clostridium perfringens</i>
	Lyophilized culture	<i>Vibrio</i> spp.
	Lyophilized culture	Fecal streptococci
	Lyophilized culture	Enterococci
	Lyophilized culture	<i>Vibrio Cholerae</i>
	Lyophilized culture	<i>Campylobacter</i> spp.
	Lyophilized culture	Enterobacteriaceae
	Lyophilized culture	<i>Vibrio parahaemolyticus</i>
	Mercury in Water	Calcium, Sodium
	Meat	Nitrogen
	Meat	Protein
	Meat	<i>Salmonella</i> spp.
	Milk	Coliform
	Milk	<i>Escherichia coli</i>
	Milk Powder	<i>Escherichia coli</i>
	Milk powder	Potassium (K)
	Milk powder	Sodium (Na)
	Milk Powder	<i>Staphylococcus aureus</i>
	Nonportable water	MPN coliform
	Poultry and poultry products	<i>Listeria monocytogenes</i>
		<i>Staphylococcus aureus</i> count
		Total Viable Count
	Fish	Fluoroquinolone group
	Granular feed	Ash
	Granular feed	Protein
	Granular feed	Fat
	Granular feed	Moisture

Source of PT Provider	Matrix	Test
National Food Institute.	Rice	<i>Bacillus cereus</i>
	Rice	Cd
	Rice	Zn
	Skim milk	Coliforms
	Starch	<i>Vibrio Cholerae</i>
	Starch	Aerobic Plate Count
	Starch	Ash
	Starch	Fat
	Starch	Moisture and Total solid
	Water	<i>Shigella sp.</i>
	Water	Total viable count at 37°C
	shrimp and shrimp products (Frozen)	<i>Vibrio cholerae</i>
	shrimp muscle	Oxalinic acid
	shrimp	Chloramphenicol
	shrimp	Tetracycline group
	shrimp	Oxalinic acid
	sample specified culture	Coliform
	sample specified culture	<i>Escherichia coli</i>
	sample specified culture	<i>Vibrio cholerae</i>
	Water, Ice and	<i>Salmonella spp.</i>
	Chicken	Protein
	Corn Powder	Yeats and Molds
	Chicken Animal Tissue	Moisture
	Tomato	α -Cypermethrin
	Tomato	Dicofol
	Tomato	Dimethoate
	Tomato	Endosulfan sulfate
	Traditional medicine	<i>Salmonella spp.</i>
	Food	<i>Vibrio cholerae</i>

Source of PT Provider	Matrix	Test
Central Laboratory (Thailand) Co., Ltd (Bangkok)	Chicken liver	Chloramphenicol
	Shrimp	Tetracycline group - Chlortetracycline - Doxycycline - Oxytetracycline - Tetracycline
		Fluoroquinolone group - Enrofloxacin - Ciprofloxacin - Sarafloxacin - Norfloxacin - Danofloxacin
		Quinolone group - Flumequine - Oxalinic acid - Nalidixic acid
		Fluoroquinolone group for Screening Method
		Fluoroquinolone group for 2 Method
		Nitrofurantoin
		Malachite green
		Leucomalachite green
		Sulfonamide group
		Sulfur dioxide
		Total Phosphorus as P ₂ O ₅
		Oxalinic acid
		Chloramphenicol
	Vegetables and fruits	Organophosphate
	Vegetables and fruits	Organochlorine
	Potato	Pesticide residues (OC, OP, PY, CB) for Confirmatory method
	Pig urine	β-agonist Salbutamol Clenbuterol

Source of PT Provider	Matrix	Test
Central Laboratory (Thailand) Co., Ltd (Bangkok)	palm oil	Acid value & Peroxide value
	Tapioca Starch	Sulfur dioxide
	Tapioca Starch	Nitrofurantoin metabolites AHD (total) AMOZ (total) AOZ (total) SEM (total)
	Wastes water	Color (ADMI method)

❖ Scope of accreditation for Drugs and Narcotics.

Source of PT Provider	Matrix	Test
Charles River Laboratories International, Inc., USA	Lyophilized	Bacteria Endotoxin
	Endotoxins content	Bacteria Endotoxin
Frontage Laboratories, Inc. USA	Cyclofem injectable suspension	Medoxyl Progesterone Acetate (MPA) Estradiol Cypionate (EC) Methylparaben (MP) Propylparaben (PP)
European Directorate for the Quality of Medicines & Health Care EDQM France	Serum	Alcohol in blood
	Cyanocobalamin	Volum UV-Spectrophotometry
	Injection 1. Tyroid polysaccharide vaccines 2. Water for injection	Kinetic Turbidity of Bacterail Endotoxins
	Amoxicillin rehydrates	pH
		Loss on Drying
	Sodium amino salicylate dehydrates	pH
		Loss on Drying
IFM Quality services Pyt Ltd, Australia	Herbal preparation - Therapeutic Tea	Identification of 1. <i>Clostridium perfringens</i> 2. <i>Salmonella</i> spp. 3. Coagulase positive Staphylococcus
	Chinese medicine (Herbal preparation)	Microbiological test
	Vitamin tablets	<i>Candida</i> spp. <i>Escherichia coli</i> <i>Klebsiella</i> spp. Aerobic plate count <i>Salmonella</i> spp. <i>Pseudomonas aeruginosa</i>
	Keflex 250 mg capsule	Identification
	Vitamin tablets	<i>Staphylococcus aureus</i>
	Vitamin tablets	<i>Streptococcus</i> spp.
	Vitamin tablets	Mold

Source of PT Provider	Matrix	Test
The United Nation Office on Drug and Crime (UNODC), Australia	Drugs (powder)	Identification of Methamphetamine Hydrochloride
	Drugs (powder)	Identification of Heroin hydrochloride
	Lyophilized	Sterility test
	Buprenorphine	Identification
	Ketamine	Assay
LGC Standard Proficiency Testing.	Pharmaceutical tablets	Microbial Limit test
USP Global Health Impact Program, USA	Celipolol capsule	Dissolution
	Keflex tablet	Assay
Bureau of Drug and Narcotics, Department of Medical Sciences.	2% Lidocaine HCl solution	pH Measurement
	Mefenamic acid 250 mg capsule.	Assay (HPLC)
	cimetidine 200 mg tablet	Assay (UV-VIS Spectrophotometry)
	0.9% Sodium chloride injection	Sterility test
	Paracetamol tablets	Dissolution
	Powder (Benzodiazepines)	Identification
Regional Medical Sciences (Phitsanulok), Department of Medical Sciences.	Sodium Chloride injection	Assay (Titration)
	NaCl injection	Assay (Titration)
	Powder for Injection.	Bacterial Endotoxins
	Tablet	Assay (UV)
	Acetaminophen Tablet	Assay (HPLC)
	Liquid for Injection	Bacterial Endotoxins
USP Proficiency Testing Program	Maltitol Sorbitol	Chromatography HPLC- Solid USP-NF <621>
	Acetaminophen Ibuprofen	Chromatography HPLC – Liquid Chromatography UPLC – Liquid USP-NF <621>
	Isopropyl Iso-butanol 2-Propanol	Chromatography GC-FID USP-NF <621>

Source of PT Provider	Matrix	Test
USP Proficiency Testing Program	Isopropyl Alcohol 1-Propanol	Refractive Index USP-NF <831>
	Sodium Chloride	Titration-Potentiometric Titration – Colorimetric USP-NF <541>
	Calcium Ascorbate	Titration – Colorimetric USP-NF <541>
	Erythritol	Conductivity USP-NF <644>
	Modified Starch (Corn Starch)	Residue on Ignition U SP-NF <281> Potential Hydrogen USP-NF <791> Loss on Drying USP-NF <791>
	Acetaminophen	Uniformity of Dosage Units USP-NF <905>
	Modified Starch	Potential Hydrogen USP-NF <791> Loss on Drying USP-NF <731>
	Caffeine Sorbic Acid	Spectroscopy - UV/Vis USP-NF <197U>
	Isopropyl Alcohol	Water Determination -Liquid USP-NF <921> Refractive Index USP-NF <831>
	Lactose Anhydrous (powder)	Water Determination -Solid USP-NF <921>
	Lactose	Residual Solvent -Solid USP-NF <467> Water Activity USP-NF <922>

Source of PT Provider	Matrix	Test
USP Proficiency Testing Program	Isopropyl	Alcohol Determination USP-NF <611> - 2-Propanol - 2-Butanol - Ethyl Alcohol
	Nitrosamine	Mass Spectrophotometry (GC-MS)- Impurities: Nitrosamines Detection in association with Gen Chpt <1469> procedure 2 &4 USP-NF <736>
	Arsenic Cadmium Lead Mercury	Elemental Impurities USP-NF <467>
	Lactose Monohydrate Maltose	Spectroscopy – FTIR USP-NF <179>
	Acetaminophen	Chromatography -Assay via HPLC (Solid dosage formulation) USP-NF <621>
		Disintegration - (Solid dosage formulation) USP-NF <701>
		Dissolution - Assay via UV/Vis (Solid dosage formulation) USP-NF <711>
	Bacterial Endotoxin	- Gen Chpt <161> (1) - Gel Clotting/Turbidity (2) - Kinetic/ Chromogenic (3) USP-NF <85>
	Ascorbic Acid Citric Acid	Nuclear Magnetic Resonance (NMR) USP-NF <761>

Source of PT Provider	Matrix	Test
USP Proficiency Testing Program	Sterility	Microbiological Examination USP-NF <62> - <i>S. aureus</i> - <i>S. enterica</i> - <i>Abony</i> - <i>P. aeruginosa</i> - <i>S. enterica typhi</i> - <i>Escherichia coli</i> - <i>C. albicans</i>
		Microbiological Examination USP-NF <71> (NA) - <i>S. aureus</i> - <i>B. subtilis</i> - <i>P. aeruginosa</i> - <i>C. Albicans</i> - <i>A. Brasiliensis</i>
		Microbiological Examination USP-NF <61> (Microbial Enumeration) - <i>S. aureus</i> - <i>B. Subtilis</i> - <i>P. aeruginosa</i> - <i>C. Albicans</i> - <i>A. Brasiliensis</i>
	Appendix XII-Microbiological Test	Antimicrobial Effectiveness Testing USP-NF <51> - Bacteria - Yeast - Mold

Source of PT Provider	Matrix	Test
USP Proficiency Testing Program	Microbial Enumeration	- <i>S. aureus</i> - <i>Escherichia coli</i> - <i>B. subtilis</i> - <i>P. aeruginosa</i> - <i>C. albicans</i> - <i>A. Brasiliensis</i> USP-NF <2021>
	Microbiological Procedures for Absence of Specified Microorganisms	- <i>S. aureus</i> - <i>S. enterica</i> - <i>Abony</i> - <i>Escherichia coli</i> - <i>C. Perfringens</i> USP-NF <2022>
	Microbiological Examination of Nonsterile Products	- <i>S. aureus</i> - <i>B. subtilis</i> - <i>Escherichia coli</i> - <i>C. Albicans</i> - <i>A. Brasiliensis</i> USP-NF <2023>
	Pharmaceutical Product (Suitable for Bioburden) Appendix XII-Microbiological Test	- <i>S. aureus</i> - <i>S. enterica</i> - <i>Abony</i> - <i>P. aeruginosa</i> - <i>S. enterica typhi</i> - <i>Escherichia coli</i> - <i>C. albicans</i> - <i>B. subtilis</i> - <i>A. Brasiliensis</i> USP-NF <61/62>

❖ Scope of Accreditation for Cosmetics and Hazardous Substances



Source of PT Provider	Matrix	Test
Bureau Interprofessionnel des Etudes Analytiques (BIPEA), French (CHEMISTRY/CONTAMINANTS)	Cream	Benzoic acid, Salicylic acid, Sorbic acid, Chlorphenesine, Methylparaben, Benzyl alcohol, Phenoxyethanol
	Cream	Antimony, Arsenic, Cadmium, Chromium, Cobalt, Mercury, Nickel, Lead
	Cosmetics	pH, Viscosity at 25°C, Specific gravity at 20°C, Flash point (°C), Acid index (mgKOH/g), Moisture content (%)
	Cosmetics	Aroma and flavor compounds including esters (geranyl, linalyl acetate), alcohols (benzyl, cinnamic, anise), aldehydes (citral, cinnamaldehyde), phenols (eugenol, isoeugenol), terpenes (alpha-pinene, limonene, linalool, santalol), ketones (carvone, camphor), and others like coumarin, vanillin,...
	Shampoo	1,4-Dioxane
	Cosmetics	Moisture content and volatile matter, Peroxide Value, Free fatty acid (FFA) content, Saponification Index, Fatty Acids composition
Bureau Interprofessionnel des Etudes Analytiques (BIPEA), French (MICROBIOLOGY)	Serum	<i>Escherichia coli</i> , <i>Staphylococcus aureus</i> , <i>Pseudomonas aeruginosa</i>
	Cosmetic formulation	<i>Escherichia coli</i> , <i>Pseudomonas aeruginosa</i> , <i>Staphylococcus aureus</i> , <i>Aspergillus niger</i> , <i>Candida albicans</i>
	Dermatologic cream	Enumeration of yeast, moulds and mesophilic aerobic bacteria



Source of PT Provider	Matrix	Test
Bureau Interprofessionnel des Etudes Analytiques (BIPEA), French (CLINICAL TESTS)	Sunscreen products	SPF, water resistance...
	Sunscreen products	UVA in vivo
	Sunscreen products	UVA in vitro
	Sunscreen lotion	SPF in vitro
	Sunscreen oil	SPF, UVA-PF, and critical wavelength
IFM Quality services Pyt Ltd, Australia.	Sorbolene Cream	- <i>Escherichia coli</i> - Total plate count - <i>Pseudomonas aeruginosa</i> - <i>Staphylococcus aureus</i>
	Strawberry Smoothie	- <i>Bacillus cereus</i> - Coliform Count - <i>Escherichia coli</i> - Thermotolerant coliform - Fecal coliform - Lactic acid bacteria - Mold count - Yeasts & Molds
	Therapeutic tea	- Total plate count - Yeasts & Molds - <i>Staphylococcus aureus</i> - <i>Escherichia coli</i> - <i>Salmonella spp.</i> - <i>Pseudomonas spp.</i> - <i>Clostridium spp.</i>
Bureau of Cosmetics and Hazardous Substances.	Cleaning product	- Retinoic acid - Anionic surfactant - Cationic surfactant
	Cosmetics	Total plate count
	Cream and Lotion cosmetics	- Hydroquinone - Retinoic acid - Mercury compounds

Source of PT Provider	Matrix	Test
Bureau of Cosmetics and Hazardous Substances.	Hair leaching products	hydrogen peroxide
	Heavy metal in water	Octocrylene
	Lipstick (with sun scrum)	- Hydroquinone - Retinoic acid - Mercury compounds
	Sun screen cream	Sunscreen agents
	Toothpaste	Fluoride ion
	Face powder	- Hydroquinone - Retinoic acid - Mercury compounds
	Natural Curl Creator	- Thyoglycolic acid - pH

❖ Scope of Accreditation for Biological and Forensic science

Source of PT Provider	Matrix	Test
Centers for Disease Control and Prevention, CDC	Serum	Vitamin A
World Health Organization (WHO)	Vaccine diphtheria tetanus and pertussis.	Potency test
	Oral Poliomyelitis vaccines.	Potency test
	Tuberculosis vaccines.	Potency test
	Measles vaccines.	Potency test
	Pertussis vaccine.	Potency test
	Whole cell pertussis vaccine.	Potency test
National Institute of Animal Health, Australia	Bovine serum	Bovine Brucellosis
World Reference Laboratory for FMD, Institute for Animal Health, Pirbright, England	Unknown virus	Antigen ELISA typing test
	Unknown serum	Liquid phase blocking ELISA
	Unknown serum	Non-structure protein (NS) test
Institute for Animal Health, UK	Cattle, Fluid Collected	Liquid phase blocking ELISA (LP ELISA)
	Cattle, Fluid Collected	Non-structure protein (NS) test
Society of Toxicological and Forensic Chemistry, Germany	Urine	Immunological Group Screening and Confirmation Analysis - Amphetamines - Benzodiazepines - Cannabinoids - Cocaine/-metabolites - Opiates - Barbiturates - Tricyclic Antidepressants - Methadone - EDDP - Buprenorphine/-metabolites

Source of PT Provider	Matrix	Test
Society of Toxicological and Forensic Chemistry, Germany	Urine	Immunological Group Screening and Confirmation Analysis - LSD/- metabolites - Phencyclidine (PCP) - 6-acetylmorphine - Ethylglucuronide - Methamphetamines - Methaqualone - Propoxyphene
		General Unknown Analysis - Morphine - 6-acetylmorphine - Oxazepam - Phenobarbital - Buprenorphine - Methamphetamines - 1-benzylpiperazine - Caffeine - Theobromine - Theophylline - Desmethyldiazepam
College of American Pathologists, USA	Blood stain	DNA Fingerprint (Paternity testing)
	Blood stain	Y-STR Analysis
	Buccal swab	DNA Fingerprint (Paternity testing)
	Buccal swab	Y-STR Analysis
Collaborative Testing Services, USA	Blood stain	DNA Fingerprint (Rape)
	Blood stain	DNA Fingerprint (Bone)
	Blood stain	DNA Fingerprint
	Blood stain	Mitochondrial DNA sequencing
	Blood stain (Forensic case)	Mitochondrial DNA sequencing
	Blood stain	Y-STR Analysis
	Evidentiary stain	Mitochondrial DNA sequencing
	Evidentiary stain	DNA Fingerprint (Bone)

Source of PT Provider	Matrix	Test
Collaborative Testing Services, USA	Evidentiary stain	DNA Fingerprint (Other forensic cases)
	Evidentiary stain	DNA Fingerprint (Bone)
	Evidentiary stain	DNA Fingerprint (Other forensic cases)
	Evidentiary stain	Mitochondrial DNA sequencing (Blood)
	Evidentiary stain	Mitochondrial DNA sequencing (Forensic case)
	Blood	Forensic DNA typing
	Swabs	Forensic DNA typing
	Blood stain	Forensic DNA typing
GD-Animal Health Service Deventer, Netherlands	Serum Poultry	Antibody to Mycoplasma Gallisepticum (MG)
	Serum Poultry	Antibody to Mycoplasma Synovia (MS)
	Swine Serum	Infectious Bronchitis Virus (IBV) Antibody Detection
	Swine Serum	Porcine Reproductive and Respiratory Syndrome Virus (PRRS) Antibody Detection
	Fowl Serum	Hemagglutination Inhibition test
Forensic Testing Service, USA	Sample of material from disrupted device	The identification of Pre-Blast explosive composition C4 (FT-IR spectroscopy)
		Analysis of explosive residues (ICP-MS)
	Particle of material recovered from suspect's clothing	The identification of Pre-Blast explosive composition C4 (FT-IR spectroscopy)
		Analysis of explosive residues (ICP-MS)
The United Nation Office on Drug and Crime (UNODC), Australia	Morphine	Assay
	Cocaine	Assay
	Ketamine	Assay

Source of PT Provider	Matrix	Test
National Institute of Health. Department of Medical Sciences	Animal brain	Rabies
	Serum	Cholinesterase
	Serum or plasma	Cholinesterase activity
	Lyophilized serum	Urea nitrogen
	Lyophilized serum	Albumin
	Lyophilized serum	Creatinine
	Lyophilized serum	Total protein
	Lyophilized serum	Urea nitrogen
	Lyophilized serum	Albumin
	Lyophilized serum	Creatinine
	Lyophilized serum	Total protein
	HIV Rapid Test kit: Rapid test	Post marketing Evolution for HIV Rapid Test kit
Bureau of Drug and Narcotics, Department of Medical Sciences.	Powder ยาเสพติดให้โทษประเภท 1 ถึงประเภท 5	Identification
	Powder (Benzodiazepines)	Identification
	Paracetamol tablets	Dissolution
	Drugs free urine Spiked urine	Methamphetamine Morphine MDMA Metabolite of THC Metabolite of Cocaine
Regional Medical Sciences (Chiang Mai)	Blood	Alcohol
	Serum	Alcohol
National Institute of Animal Health (NIAH)	Bovine Serum	Bovine Brucellosis
	Animal brain	Rabies
	Unknown serum	LP ELISA and NS Test
	Bovine Serum	Bovine Brucellosis
	Animal brain	Rabies

❖ Scope of Accreditation for Medical Devices and Medical materials

Source of PT Provider	Matrix	Test
ENERSOL Consulting Engineers, Australia.	Medical glove	Force, Tensile Strength, Elongation at Break and Modulus
	Condom	Bursting Properties
	Condom	Dimensions
	Condom	Holes by water Leakage
	Condom	Freedom from holes
	Condom	Inflation
	Condom	Package Integrity
	Condom	Seal Integrity
	Condom	Tensile
	Condom	Tensile Properties
	Condom	Total Lubricant
	Condom	Freedom from hole and visible defect
	Condom	Oven Conditioning
	Condom	Package integrity
	Condom	Visible defect
	Condom	Width
	Condom	Bursting pressure and Volume
	Condom	Freedom from holes
	Condom	Thickness
	Condom	Length
	Condom	Package Integrity
	Condom	Freedom for holes
	Condom	Total Lubricant for condom in individual containers
	Condom	Volume and Burst Pressure before aging
	Condom	Volume and Burst Pressure after aging
	Condom	Force and Elongation at Break
	Condom	Lubricant

Source of PT Provider	Matrix	Test
Product Quality and Compliance Division Family International, USA.	Condom	Burst Volume and Burst Pressure
	Condom	Freedom from holes and visible defects
	Condom	Length
	Condom	Lubricant Quantity
	Condom	Oven conditioning
	Condom	Package Integrity
	Condom	Thickness
	Condom	Width
Family Health International (FHI), USA.	Condom	Length
	Condom	Width
	Condom	Thickness
	Condom	Total lubricant for condom in individual containers
	Condom	Bursting volume and pressure untreated condoms
	Condom	Bursting volume and pressure oven - treated condoms
	Condom	Freedom from holes
	Condom	Visible defects
	Condom	Package integrity
	Condom	Package and Labeling
World Health Organization (WHO)	Co-60 teletherapy	Output measurement of Co-60 teletherapy
Scantox, Denmark. USA	Plastics used as the model for implant sterile	Test for in vitro toxicity; Test on extracts with human cells
Nelson Laboratories, Inc.	Injection of Blood transfusion set	Test for in vitro cytotoxicity; Test on extracts with L929
	Sterile suture by gamma irradiation sterilization technique	Sterility Tests: Direct inoculation of the culture medium
		Detection of bacteriostatic activity

❖ **Scope of Accreditation for Veterinary diagnostic.**

Source of PT Provider	Matrix	Test
Aquaculture Pathology Laboratory, The University of Arizona, USA	(Ring Test) for detection of shrimp pathogens by PCR/RT-PCR.	- White Spot Syndrome Virus (WSSV) - Infectious Hypodermal and Haematopoietic Necrosis (IHHNV) - Necrotising Hepatopancreas (NHP) - Acute hepatopancreatic necrosis disease (AHPND) - Enterocytozoon hepatopenaei (EHP) - Translucent post-larva disease (TPD) - Yellow-head Virus (YHV) - Infectious Myonecrosis Virus (IMNV) - Penaeus vannamei nodavirus (PvNV)
Royal GD Laboratory, Deventer, Netherlands	Porcine serum	PRRSV antibody detection
	Porcine serum, tissue suspensions and medium	PRRS virus detection
	Poultry serum, kidney suspension and medium	IB virus detection
	Poultry serum	IBV antibody detection
	Bacterial Identification – Cattle/Companion Animals/Swine/Poultry	Bacterial Identification cattle
	Antibiotic susceptibility of bacterial strains – Cattle/Companion Animals/Poultry/Swine)	Antibiotic susceptibility of bacterial strains cattle
	(Bacterial Identification – Cattle/Companion Animals/Swine/Poultry	Bacterial identification poultry
	Antibiotic susceptibility of bacterial strains – Cattle/Companion Animals/Poultry/Swin	Antibiotic susceptibility of bacterial strains poultry

Source of PT Provider	Matrix	Test
Royal GD Laboratory, Deventer, Netherlands	Bacterial Identification – Cattle/Companion Animals/Swine/Poultry	- Bacterial Identification companion animals - Bacterial Identification cattle - Bacterial Identification swine -
	Antibiotic susceptibility of bacterial strains – Cattle/Companion Animals/Poultry/Swine	- Antibiotic susceptibility of bacterial strains companion animals - Antibiotic susceptibility of bacterial strains cattle - Antibiotic susceptibility of bacterial strains swine
	Porcine serum	- App antibody detection - Mycoplasma hyopneumoniae antibody detection - SIV antibody detection
	Spiked medium on FTA cards	- Mycoplasma hyopneumoniae detection - ND virus detection - AI virus detection - Swine influenza virus detection
	Poultry serum	- Mycoplasma (Mg/Ms) antibody detection - NDV antibody detection - EDS antibody detection - IBDV antibody detection (Gumboro) - PCV2 antibody detection - aMPV antibody detection (TRT) - ILT antibody detection - CAV antibody detection - AI antibody detection - Salmonella poultry antibody detection - Salmonella porcine antibody detection

Source of PT Provider	Matrix	Test
Royal GD Laboratory, Deventer, Netherlands	Poultry serum and medium	- Mycoplasma (Mg/Ms) bacteria detection - PCV2 detection - ARV antibody detection (REO) -
	Bovine serum	- MAP antibody detection (serum) - IBR antibody detection (serum)
	Bovine milk	- MAP antibody detection (milk) - IBR antibody detection (milk)
	Bursal suspension	IBD virus detection (Gumboro)
	Bovine serum, blood, ear notch and tissue suspensions	BVD virus and antigen detection
	Sheep and Goat serum	SRLVs (MVV/CAEV) antibody detection
VETQAS, APHA Scientific, UK	0.25ml liquid serum from hyper-immunised animals	Trypanosoma equiperdum (Dourine)
	0.5ml heat treated liquid serum from vaccinated animals	Rabies
	Sera in 0.5ml aliquots	Newcastle Disease (ND)
	0.5ml serum	- Porcine Parvovirus (PPV) - Porcine Reproductive and Respiratory Syndrome (PRRS)
	1 ml freeze-dried milk in glass vials	Mycobacterium paratuberculosis
	250µl liquid serum from infected animals	Mycobacterium paratuberculosis – Bovine
	0.5ml liquid serum from infected animals	Mycoplasma gallisepticum – Chicken
	0.25ml liquid serum samples (Bovine, Porcine, Ovine).	Foot & Mouth Disease (FMD)

Source of PT Provider	Matrix	Test
VETQAS, APHA Scientific, UK	0.25 ml heat treated, culture negative antibody positive sera freeze-dried in glass vials	Brucella abortus (Rose Bengal Test – RBT)
	Sera in 0.5 ml aliquots	Brucella abortus (Complement Fixation Test – CFT)
	- 0.25 ml liquid sera - Negative and various positive samples	Brucella abortus (ELISA)
	0.2ml liquid serum from vaccinated and infected animals	Classical Swine Fever (CSF)