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PROFICIENCY TESTING PROGRAMMES

Proficiency Test List - VND

Jan 2022 - Mar 2023

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Original thinking... applied

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FOOD AND BEVERAGE CHEMISTRY

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FOOD AND BEVERAGE CHEMISTRY PROFICIENCY TESTS

The confidence in analytical data provided to producers can be enhanced through using proficiency testing. Proficiency testing (PT) provides evidence, from an independent source, regarding the competency of the laboratory supplying the analytical service. Important commercial and safety decisions are made on the results of laboratory analysis, so it pays to monitor performance to ensure you can rely on these results.

Our Food Chemistry programme covers chemical analysis of real food samples for a wide range of target analytes including: nutritional components, additives, allergens, natural contaminants, pesticide and veterinary medicine residues, and packaging chemical migrants.

Quantity discounts (for materials purchased in a single order) excluding blank materials

Quantity Purchased	Discount Applied
21 - 45 tests	5%
46 - 70 tests	10%
71 or more	20%

Note: The information in this price list is designed to assist you in choosing proficiency tests to meet your needs. Whilst every care has been taken in producing this information, we do not guarantee its accuracy. The Fapas® website is the definitive source of information about our proficiency tests. Orders are subject to the Fapas® terms and conditions, which are available on our website. Please check the website before placing your order.

Prices do not include taxes, import duties, inspection fees or carriage charges which are extra. Items indicated with ❄ are sent frozen/chilled and incur higher carriage charges.

ALCOHOL

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
13101	Whisky	alcoholic strength (real and/or apparent), ethanal (acetaldehyde), ethyl acetate, methanol, propan-1-ol, 2-methylpropan-1-ol & 2-methylbutan-1-ol + 3-methylbutan-1-ol (sum)	FCOH3-DRA10	200 ml		09/03/2022	16.100.000
13102	Wine	alcoholic strength, total SO2, total acidity, volatile acidity and wine quality indicators	FCOH4-DRA13	500 ml		04/08/2022	16.400.000

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
13103	Brandy	alcoholic strength (real and/or apparent), ethanal (acetaldehyde), ethyl acetate, methanol, propan-1-ol, 2-methylpropan-1-ol, 2-methylbutan-1-ol + 3-methylbutan-1-ol (sum) & ethyl carbamate	FCOH2-DRA4	200 ml		24/11/2022	16.400.000
13104	Whisky	alcoholic strength (real and/or apparent), ethanal (acetaldehyde), ethyl acetate, methanol, propan-1-ol, 2-methylpropan-1-ol & 2-methylbutan-1-ol + 3-methylbutan-1-ol (sum)	FCOH3-DRA10	200 ml		15/03/2023	16.400.000
3117	Beverage	alcohol (ethanol) Halal Compliance Check	FCOH1-DRA2	3 x 200 ml	❄	15/08/2022	14.700.000

ALLERGENS

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
27313	Infant Soya Formula	milk (BLG)	FCAL13-INF13	2 x 20 g		06/01/2022	13.900.000
27314	Cooked Biscuit	gluten, milk and egg	FCAL7-PRO14	30 g		20/01/2022	16.600.000
27315	Chocolate	peanut, peanut protein	FCAL16-CON2	2 x 20 g		03/02/2022	13.900.000
27316	Infant Soya Formula	milk (casein) & gluten	FCAL15-INF13	2 x 20 g		17/02/2022	16.600.000
27317	Spice - Cumin	gluten & sesame	FCAL22-SPI8	2 x 20 g		24/02/2022	13.900.000
27318	Flour	lupin	FCAL12-CCP28	2 x 20 g		02/03/2022	13.900.000
27319	Cooked Biscuit	hazelnut, peanut	FCAL9-PRO14	50 g		11/03/2022	16.600.000
27320	Canned Fish	histamine (high level >50 mg/kg)	FCAL10-SEA7	145 g		24/03/2022	13.900.000
27321	Sausage Meat (Raw)	gluten	FCAL6-MRP39	2 x 20 g	❄	29/03/2022	13.900.000
27323	Wheat Flour	soya, soya protein	FCAL17-CCP49	2 x 20 g		08/04/2022	14.200.000
27324	Cake Mix	egg, egg white protein	FCAL5-PRO10	2 x 20 g		14/04/2022	14.200.000
27325	Garlic Powder	peanut, peanut protein	FCAL16-SPI10	2 x 20 g		28/04/2022	14.200.000
27326	Cake Mix	gluten	FCAL6-PRO10	2 x 20 g		05/05/2022	14.200.000
27327	Chocolate	hazelnut, hazelnut protein	FCAL8-CON2	2 x 20 g		19/05/2022	14.200.000
27328	Instant Soup Powder	celery, mustard	FCAL2-PRO27	2 x 20 g		10/06/2022	14.200.000
27329	Infant Breakfast Cereal	milk (casein & BLG)	FCAL21-INF6	2 x 20 g		16/06/2022	16.900.000
27331	Cake Mix	gluten, milk and egg	FCAL7-PRO10	2 x 30 g		07/07/2022	16.900.000
27332	Oat Based Foodstuff	gluten	FCAL6-CCP37	2 x 20 g		20/07/2022	14.200.000
27333	Swab (Cotton)	gluten, milk and egg	FCAL7-UNF12	6 x swab		27/07/2022	16.900.000
27334	Canned Fish	histamine (low level, <50 mg/kg)	FCAL11-SEA7	145 g		05/08/2022	14.200.000

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
27335	Infant Formula (hydrolysed)	milk (casein & BLG)	FCAL21-INF20	2 x 20 g		25/08/2022	14.200.000
27336	Chocolate	almond, almond protein	FCAL1-CON2	2 x 20 g		01/09/2022	14.200.000
27337	Wheat Flour	soya, soya protein	FCAL17-CCP49	2 x 20 g		15/09/2022	14.200.000
27338	Jam	sulphites	FCAL18-CON7	80 g	❄	27/09/2022	14.200.000
27339	Beer	gluten	FCAL6-DRA1	2 x 50 ml	❄	17/10/2022	16.900.000
27340	Canned Fish	histamine (high level >50 mg/kg)	FCAL10-SEA7	145 g		27/10/2022	14.200.000
27341	Sauce (Cooked)	Fish	FCAL20-CON23	2 x 30 g	❄	14/11/2022	16.900.000
27342	Cake Mix	gluten & egg	FCAL23-PRO10	2 x 30 g		17/11/2022	15.500.000
27343	Chocolate	contamination with one or more from a variety of tree nuts and ground nut (peanut)	FCAL3-CON2	50 g		25/11/2022	16.900.000
27344	Bread	walnut	FCAL24-PRO6	2 x 20 g		08/12/2022	16.900.000
27345	Infant Soya Formula	milk (BLG)	FCAL13-INF13	2 x 20 g		05/01/2023	14.200.000
27346	Cooked Biscuit	gluten, milk and egg	FCAL7-PRO14	30 g		19/01/2023	16.900.000
27347	Swab (Cotton)	peanut, sesame, soya	FCAL27-UNF12	6 x swab		26/01/2023	16.900.000
27348	Chocolate	peanut, peanut protein	FCAL16-CON2	2 x 20 g		02/02/2023	14.200.000
27349	Sauce (Uncooked)	crustacea	FCAL26-PRO46	2 x 20 g	❄	06/02/2023	16.900.000
27350	Infant Soya Formula	milk (casein) & gluten	FCAL15-INF13	2 x 20 g		16/02/2023	16.900.000
27351	Spice - Cumin	gluten & sesame	FCAL22-SPI8	2 x 20 g		23/02/2023	14.200.000
27352	Flour	lupin	FCAL12-CCP28	2 x 20 g		01/03/2023	14.200.000
27353	Cooked Biscuit	hazelnut, peanut	FCAL9-PRO14	50 g		10/03/2023	16.900.000
27354	Canned Fish	histamine (high level >50 mg/kg)	FCAL10-SEA7	145 g		23/03/2023	14.200.000
27355	Sausage Meat (Raw)	gluten	FCAL6-MRP39	2 x 20 g	❄	28/03/2023	14.200.000

AUTHENTICITY

Adulteration

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
2997	Vanilla Extract	detection of adulteration	FCAA1-CON31	30 g		14/01/2022	13.600.000
2998	Beef	one or more from: chicken, horse, lamb or pork	FCAA4-MRP2	30 g		02/02/2022	13.600.000
2999	Chicken	one or more from: beef, lamb, pork or turkey	FCAA3-MRP14	30 g		06/04/2022	13.800.000
29101	Lamb	one or more from: beef, chicken, goat or pork	FCAA2-MRP22	30 g		06/07/2022	13.800.000
29102	Garlic Powder	detection of adulteration	FCAA1-SPI10	4 x 7 g		12/08/2022	22.200.000
3303	Oil	Cannabidiol	FCAA5-OIL20	2 x 2 ml		25/10/2022	18.900.000
29104	Herb (Salvia spp.)	detection of adulteration	FCAA1-VEG109	3 x 7 g		10/11/2022	22.200.000
14264	Olive Oil	detection of adulteration	FCAA1-OIL22	3 × 50 ml		12/12/2022	22.200.000

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
29105	Vanilla Extract	detection of adulteration	FCAA1-CON31	30 g		13/01/2023	13.800.000
29106	Beef	one or more from: chicken, horse, lamb or pork	FCAA4-MRP2	30 g		01/02/2023	13.800.000

Contamination (Halal / Vegan Compliance Check)

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
3116	Beef	pork (DNA) Halal Compliance Check	FCAC1-MRP2	2 x 30 g	❄	19/04/2022	17.300.000
3117	Beverage	alcohol (ethanol) Halal Compliance Check	FCOH1-DRA2	3 x 200 ml	❄	15/08/2022	14.700.000
29100	Plant Based Food (Vegan Compliance Check)	animal DNA (Vegan Compliance Check)	FCAC3-PRO45	2 x 50 g	❄	20/06/2022	16.900.000

Speciation

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
29103	Fish	identification of unknown fish (3 samples from a list). See list on p37	FCAS1-SEA11	3 x 10 g	❄	17/10/2022	13.800.000

CONTAMINANTS

Bacterial Contaminants

Item Code	Matrix	Analytes	Product Code	Approx. Size		Start Date	VNĐ
SEQ0101	Bacterial DNA	MLST Type	FSOD01-UMI46	1 tube	❄	01/03/2023	14.400.000

Environmental Contaminants

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
06107	Fish	Perfluoroalkylated substances (PFASs)	FCCE5-SEA11	50 g	❄	04/01/2022	16.500.000
06108	Palm Oil	PAHs (including PAH4 sum)	FCCE2-OIL24	30 ml		18/02/2022	21.600.000
06109	Milk	Dioxins & PCBs	FCCE3-DRY13	70 g		14/03/2022	21.600.000
06112	Shellfish	PAHs (including PAH4 sum)	FCCE2-SEA23	50 g	❄	26/04/2022	22.100.000
06113	Olive Oil	all 16 EU priority PAHs (including PAH4 sum)	FCCE1-OIL22	30 ml		25/05/2022	24.100.000
06114	Pork	Dioxins & PCBs	FCCE3-MRP35	70 g		09/06/2022	22.100.000
06115	Cocoa Butter	PAHs (including PAH4 sum)	FCCE2-FAT7	50 g		04/07/2022	22.100.000
06116	Infant Formula	Dioxins & PCBs	FCCE3-INF10	70 g		11/08/2022	22.100.000
06117	Smoked Fish Product	PAHs (including PAH4 sum)	FCCE2-SEA25	50 g	❄	06/09/2022	22.100.000

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
06118	Cod Liver Oil	Dioxins & PCBs	FCCE3-OIL10	30 ml		21/10/2022	22.100.000
06119	CBD Product (Oil Based)	PAHs (including PAH4 sum)	FCCE2-UMI44	10 ml		25/10/2022	22.100.000
06120	Spice - Smoked Black Pepper	PAHs (including PAH4 sum)	FCCE2-SPI26	15 g		11/11/2022	22.100.000
06121	Cod Liver Oil	Brominated Flame Retardants (BFRs)	FCCE6-OIL10	30 ml		08/12/2022	16.900.000
06122	Fish	Perfluoroalkylated substances (PFASs)	FCCE5-SEA11	50 g	❄	03/01/2023	16.500.000
06123	Palm Oil	PAHs (including PAH4 sum)	FCCE2-OIL24	30 ml		10/02/2023	22.100.000
06124	Milk	Dioxins & PCBs	FCCE3-DRY13	70 g		10/03/2023	22.100.000

Overall Migration (Packaging Contaminants)

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
1165	Nylon Film	overall migration into ethanol by total immersion	FCCO1-PMM13	6 sheets 12 cm x 16 cm		27/04/2022	13.900.000
1166	Plastic Film	overall migration into olive oil by total immersion	FCCO2-PMM16	to be decided		26/10/2022	15.300.000

Processing Contaminants

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
2668	Soy Sauce	3-MCPD, 1,3-DCP & 2-MCPD	FCCP2-CON15	40 g		23/02/2022	13.800.000
2669	Vegetable Oil	3-MCPD esters, glycidol esters (ester-bound glycidol) & 2-MCPD esters	FCCP1-OIL30	50 ml		13/04/2022	14.100.000
2670	Potato Crisps	3-MCPD esters, glycidol esters (ester-bound glycidol) & 2-MCPD esters	FCCP1-PRO31	50 g		06/05/2022	14.100.000
2671	Infant Formula	3-MCPD esters, glycidol esters (ester-bound glycidol) & 2-MCPD esters	FCCP1-INF10	50 g		08/06/2022	15.100.000
2672	Vegetable Oil	3-MCPD esters, glycidol esters (ester-bound glycidol) & 2-MCPD esters	FCCP1-OIL30	50 ml		21/09/2022	14.100.000
2673	Soy Sauce	3-MCPD, 1,3-DCP & 2-MCPD	FCCP2-CON15	40 g		22/02/2023	14.100.000
30119	Coffee	a selection of furans	FCCP9-DRH6	35 g	❄	24/01/2022	13.400.000
30120	Potato Crisps	acrylamide	FCCP3-PRO31	50 g		17/02/2022	13.400.000
30121	Infant Formula	melamine & cyanuric acid (<5 mg/kg)	FCCP8-INF10	50 g		04/03/2022	13.400.000
30122	Coffee (Ground)	acrylamide	FCCP3-DRH10	50 g		27/04/2022	13.700.000
30123	Vegetable Crisps	acrylamide	FCCP3-PRO37	50 g		12/05/2022	13.700.000
30124	Infant Food	acrylamide	FCCP3-INF8	50 g		09/06/2022	13.700.000

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
30125	Animal Feed (Cereal Based)	melamine & cyanuric acid	FCCP5-AFE2	50 g		30/06/2022	13.700.000
30126	Biscuit (Cookie)	acrylamide	FCCP3-PRO2	50 g		29/07/2022	13.700.000
30127	French Fries (Pre-Cooked)	acrylamide	FCCP3-PRO25	50 g	❄	19/09/2022	13.700.000
30128	Milk Powder	melamine & cyanuric acid (>5 mg/kg)	FCCP7-DRY14	50 g		05/10/2022	13.700.000
30129	Baby Food (Cereal Based)	a selection of furans	FCCP9-INF21	50 g	❄	17/10/2022	13.700.000
30130	Coffee (Instant)	acrylamide	FCCP3-DRH12	50 g		02/11/2022	13.700.000
30131	Crispbread	acrylamide	FCCP3-PRO15	50 g		30/11/2022	13.700.000
30132	Coffee	a selection of furans	FCCP9-DRH6	35 g	❄	23/01/2023	13.700.000
30133	Potato Crisps	acrylamide	FCCP3-PRO31	50 g		16/02/2023	13.700.000
30134	Infant Formula	melamine & cyanuric acid (<5 mg/kg)	FCCP8-INF10	50 g		03/03/2023	13.700.000

Specific Migration (Phthalates, BPA, PAA)

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
12109	Oil	phthalates	FCCS5-OIL20	2 x 50 ml		23/03/2022	13.600.000
12110	3% aq. Acetic Acid	melamine	FCCS4-PMM3	50 ml		20/05/2022	13.900.000
12111	50% Aqueous Ethanol	bisphenol A	FCCS2-PMM4	50 ml		13/07/2022	13.900.000
12112	3% aq. Acetic Acid	formaldehyde	FCCS3-PMM3	50 ml		31/08/2022	13.900.000
12113	3% aq. Acetic Acid	total primary aromatic amines	FCCS6-PMM3	>300 ml		12/10/2022	13.900.000
12114	3% aq. Acetic Acid	barium, cobalt, copper, iron, lithium, manganese, zinc & nickel	FCCS7-PMM3	50 ml		23/11/2022	13.900.000
12115	Oil	phthalates	FCCS5-OIL20	2 x 50 ml		22/03/2023	13.900.000

Trace Elements

Note: The description 'natural/low levels' indicates naturally incurred elements at the typical ranges expected. The description 'natural levels' indicates naturally incurred elements, but some or all analytes may be at levels above the typically expected ranges.

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
07422	Milk Powder	arsenic (total), cadmium, lead & mercury (total) - metals at natural/low levels	FCCM12-DRY14	50 g		05/01/2022	13.400.000
07423	Soft Drink	antimony, arsenic (total), cadmium, chromium, copper & zinc - metals at high levels	FCCM3-DRN29	50 ml		19/01/2022	13.400.000
07424	Bivalve Molluscs (Mussels)	cadmium, lead & mercury (total) - metals at natural/low levels	FCCM36-SEA29	50 g	❄	24/01/2022	13.400.000

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
07425	Canned Crab Meat	arsenic (total), arsenic (inorganic), cadmium, lead & mercury (total) - metals at natural/low levels	FCCM6-SEA6	150 g		28/01/2022	13.400.000
07426	Tomato Paste	cadmium, iron, lead & tin - metals at high levels	FCCM21-VEG74	50 g	❄	08/02/2022	13.400.000
07427	Soya Lecithin (Liquid)	aluminium, arsenic (total), cadmium, lead & mercury (total) - metals at natural/low levels	FCCM42-VEG90	50 ml		23/02/2022	13.400.000
07428	Animal Feed (Plant Origin)	arsenic (total), cadmium, lead, mercury (total), nickel - metals at high levels	FCCM43-AFE23	50 g		10/03/2022	13.400.000
07429	Grapefruit Purée	cadmium, copper, iron, lead & tin - metals at high levels	FCCM23-FRU51	50 g	❄	22/03/2022	13.400.000
07430	Canned Fish	arsenic (total), cadmium, mercury (total) & methyl mercury - metals at natural levels	FCCM41-SEA7	150 g		31/03/2022	13.400.000
07433	Rice Cakes	Arsenic (total), Arsenic (inorganic), Cadmium, Lead, Mercury (total), Nickel - metals at natural/low levels	FCCM46-PRO33	35 g		01/04/2022	13.700.000
07434	Barley Flour	Aluminium, Arsenic (total), Cadmium, Copper, Lead, Mercury (total), Nickel - metals at natural/low levels	FCCM46-CCP4	50 g		14/04/2022	13.700.000
07435	Infant Formula	Aluminium, Antimony, Cadmium, Chromium, Iodine, Lead, Molybdenum, Selenium, Tin, Nickel - metals at natural/low levels	FCCM46-INF10	50 g		22/04/2022	13.700.000
07436	Canned Fish	Arsenic (total), Cadmium, Mercury (total) - metals at natural/low levels	FCCM46-SEA7	150 g		29/04/2022	13.700.000
07437	Honey	Cadmium, Lead - metals at natural/low levels	FCCM46-HON2	50 g		04/05/2022	13.700.000
07438	Tea (Dried)	Aluminium, Arsenic (total), Cadmium, Lead, Nickel - metals at natural/low levels	FCCM46-DRH32	25 g		13/05/2022	13.700.000
07439	Wheat Flour	Aluminium, Arsenic (total), Cadmium, Copper, Iron, Lead, Mercury (total), Nickel, Zinc, Molybdenum, Selenium - metals at natural/low levels	FCCM46-CCP49	50 g		25/05/2022	13.700.000
07440	Vegetable Oil	Arsenic (total), Copper, Iron, Lead - metals at high levels	FCCM45-OIL30	50 ml		01/06/2022	13.700.000
07441	Vegetable Purée (Root Vegetables)	Arsenic (total), Cadmium, Lead, Mercury (total) - metals at natural/low levels	FCCM46-VEG103	50 g	❄	13/06/2022	13.700.000
07442	Pulse (Dried)	Cadmium, Lead, Nickel - metals at natural/low levels	FCCM46-VEG107	30 g		17/06/2022	13.700.000

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
07443	Cocoa Powder	Aluminium, Arsenic (total), Cadmium, Chromium, Copper, Iron, Lead, Manganese, Nickel, Zinc - metals at natural/low levels	FCCM46-DRH5	50 g		22/06/2022	13.700.000
07444	Chilli Powder	Arsenic (total), Cadmium, Lead - metals at high levels	FCCM45-SPI6	50 g		01/07/2022	13.700.000
07445	Powdered Brown Rice	Arsenic (total), Arsenic (inorganic), Cadmium, Iron, Lead, Mercury (total), Nickel, Zinc, Cobalt, Manganese, Copper - metals at natural/low levels	FCCM46-CCP41	50 g		13/07/2022	13.700.000
07446	Offal (Liver)	Arsenic (total), Cadmium, Lead, Mercury (total) - metals at high levels	FCCM45-MRP27	50 g		20/07/2022	13.700.000
07447	Berries (Mixed)	Arsenic (total), Cadmium, Lead - metals at natural/low levels	FCCM46-FRU76	50 g	❄	26/07/2022	13.700.000
07448	Wine	pH, Cadmium, Copper, Lead, Iron - metals at natural/high levels	FCCM47-DRA13	50 ml		03/08/2022	13.700.000
07449	Baby Food (Vegetable Based)	Arsenic (total), Cadmium, Lead, Mercury (total), Nickel - metals at natural/low levels	FCCM46-INF19	50 g	❄	08/08/2022	13.700.000
07450	Herb (mixed, dried)	Cadmium, Lead, Nickel - metals at natural/low levels	FCCM46-VEG89	30 g		18/08/2022	13.700.000
07451	Milk Powder	Arsenic (total), Cadmium, Lead, Mercury (total) - metals at natural/low levels	FCCM46-DRY14	50 g		24/08/2022	13.700.000
07452	Canned Fish	Arsenic (total), Cadmium, Copper, Iron, Manganese, Mercury (total), Selenium, Zinc - metals at natural/low levels	FCCM46-SEA7	150 g		02/09/2022	13.700.000
07453	Squid	Cadmium, Lead, Mercury (total) - metals at natural/low levels	FCCM46-SEA27	50 g	❄	05/09/2022	13.700.000
07454	Infant Cereal (Rice Based)	Arsenic (inorganic), Arsenic (total), Cadmium, Chromium, Lead, Mercury (total), Selenium, Nickel - metals at natural/low levels	FCCM46-INF18	50 g		15/09/2022	13.700.000
07455	Fruit Juice	Arsenic (inorganic), Cadmium, Iron, Lead, Tin - metals at natural/high levels	FCCM47-DRN17	50 ml	❄	27/09/2022	13.700.000
07456	Seaweed	Arsenic (inorganic), Arsenic (total), Cadmium, Iodine, Lead, Mercury (total), Nickel - metals at natural/high levels	FCCM47-VEG64	25 g		30/09/2022	13.700.000

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
07457	Mushroom Powder	Arsenic (total), Cadmium, Lead, Mercury (total), Nickel - metals at natural/low levels	FCCM46-VEG51	30 g		06/10/2022	13.700.000
07458	Soya Flour	Aluminium, Arsenic (total), Cadmium, Lead, Mercury (total) - metals at high levels	FCCM45-VEG68	50 g		20/10/2022	13.700.000
07459	CBD Product (Oil Based)	Arsenic (total), Cadmium, Lead, Mercury (total) - metals at natural/low levels	FCCM46-UMI44	10 ml		25/10/2022	13.700.000
07460	Vegetable Purée	Cadmium, Lead, Tin, Nickel - metals at high levels	FCCM45-VEG79	50 g	❄	01/11/2022	13.700.000
07461	Powdered Rice	Arsenic (inorganic), Arsenic (total), Cadmium, Lead, Mercury (total) - metals at high levels	FCCM45-CCP42	50 g		16/11/2022	13.700.000
07462	Animal Feed (Cereal Based)	Arsenic (total), Cadmium, Lead, Mercury (total), Nickel - metals at natural/low levels	FCCM46-AFE2	50 g		24/11/2022	13.700.000
07463	Nutritional Food Supplement	Arsenic (total), Cadmium, Chromium, Lead, Mercury (total), Nickel - metals at natural/low levels	FCCM46-SUP5	50 g		01/12/2022	13.700.000
07464	Sugar	Arsenic (total), Copper, Cadmium, Lead, Mercury (total), Iron - metals at natural/low levels	FCCM46-CON16	30 g		14/12/2022	13.700.000
07465	Milk Powder	Arsenic (total), Cadmium, Lead, Mercury (total) - metals at natural/low levels	FCCM46-DRY14	50 g		04/01/2023	13.700.000
07466	Coffee (Ground)	Arsenic (total), Copper, Cadmium, Lead, Mercury (total), Nickel, Zinc - metals at natural/low levels	FCCM46-DRH10	30 g		12/01/2023	13.700.000
07467	Soft Drink	Antimony, Arsenic (total), Cadmium, Chromium, Copper, Zinc - metals at high levels	FCCM45-DRN29	50 ml		18/01/2023	13.700.000
07468	Bivalve Molluscs (Mussels)	Cadmium, Lead, Mercury (total) - metals at natural/low levels	FCCM46-SEA29	50 g	❄	23/01/2023	13.700.000
07469	Canned Crab Meat	Arsenic (total), Arsenic (inorganic), Cadmium, Lead, Mercury (total) - metals at natural/low levels	FCCM46-SEA6	150 g		26/01/2023	13.700.000
07470	Animal Feed (Fish Meal)	Arsenic (total), Cadmium, Lead, Mercury (total), Nickel - metals at natural/low levels	FCCM46-SEA12	50 g		03/02/2023	13.700.000
07471	Tomato Paste	Cadmium, Iron, Lead, Tin - metals at high levels	FCCM45-VEG74	50 g	❄	14/02/2023	13.700.000

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
07472	Soya Lecithin (Liquid)	Aluminium, Arsenic (total), Cadmium, Lead, Mercury (total) - metals at natural/low levels	FCCM46-VEG90	50 ml		22/02/2023	13.700.000
07473	Animal Feed (Plant Origin)	arsenic (total), cadmium, lead, mercury (total), nickel - metals at high levels	FCCM45-AFE23	50 g		09/03/2023	13.700.000
07474	Grapefruit Purée	Cadmium, Copper, Lead, Iron, Tin - metals at high levels	FCCM45-FRU51	50 g	❄	21/03/2023	13.700.000
07475	Canned Fish	Arsenic (total), Cadmium, Mercury (total), Methyl Mercury - metals at natural/low levels	FCCM46-SEA7	150 g		31/03/2023	13.700.000

FAT, FATTY ACIDS & OILS

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
14246	Biscuit (Cookie)	limited fatty acid profile (inc. butyric acid) & cholesterol	FCFO12-PRO2	50 g	❄	11/01/2022	13.200.000
14247	Vegetable Oil	saturates, mono-unsaturates & poly-unsaturates	FCFO3-OIL30	30 ml		16/02/2022	13.200.000
14249	Infant Formula	total fat, saturates, mono-unsaturates, poly-unsaturates, trans fatty acids (& possibly individual fatty acids: linoleic acid, a-linolenic acid (ALA), ARA, DHA & EPA)	FCFO13-INF10	50 g		21/04/2022	13.600.000
14250	Mixed Fat Spread	total fat, saturates, mono-unsaturates, poly-unsaturates & total trans fatty acids	FCFO8-FAT12	50 g	❄	10/05/2022	13.600.000
14252	Vegetable Oil	saturates, mono-unsaturates & poly-unsaturates & limited fatty acid profile	FCFO4-OIL30	30 ml		29/06/2022	13.600.000
14254	Milk Powder	total fat, saturates, mono-unsaturates, poly-unsaturates, trans fatty acids (& possibly individual fatty acids: linoleic acid, a-linolenic acid (ALA), ARA, DHA & EPA)	FCFO13-DRY14	50 g		29/07/2022	13.600.000
14255	Mixed Fat Spread	Total fat, saturates, mono-unsaturates, poly-unsaturates, total trans fatty acids, total omega-3, total omega-6 & total omega-9 series fatty acids, (& possibly individual omega-3, omega-6 & omega-9 fatty acids)	FCFO10-FAT12	50 g	❄	15/08/2022	13.600.000

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
14256	Palm Oil	saturates, mono-unsaturates & poly-unsaturates & limited fatty acid profile	FCFO4-OIL24	30 ml		26/08/2022	13.600.000
14257	Fish Oil	Total omega-3, total omega-6 & total omega-9 series fatty acids, (& possibly individual omega-3, omega-6 & omega-9 fatty acids)	FCFO1-OIL13	30 ml		14/09/2022	13.600.000
14259	Biscuit (Cookie)	total fat, saturates, mono-unsaturates & poly-unsaturates, total trans fatty acids & butyric acid	FCFO7-PRO2	50 g	❄	04/10/2022	13.600.000
14260	Infant Breakfast Cereal	total fat, saturates, mono-unsaturates, poly-unsaturates (& possibly individual fatty acids: linoleic acid, a-linolenic acid (ALA), ARA, DHA & EPA)	FCFO9-INF6	50 g		20/10/2022	13.600.000
14262	Mixed Fat Spread	total fat, butyric acid, cholesterol & selected plant sterols	FCFO14-FAT12	50 g	❄	29/11/2022	13.600.000
14263	Olive Oil	saturates, mono-unsaturates & poly-unsaturates & limited fatty acid profile	FCFO4-OIL22	30 ml		02/12/2022	13.600.000
14266	Biscuit (Cookie)	limited fatty acid profile (inc. butyric acid) & cholesterol	FCFO12-PRO2	50 g	❄	17/01/2023	13.600.000
14267	Vegetable Oil	saturates, mono-unsaturates & poly-unsaturates	FCFO3-OIL30	30 ml		15/02/2023	13.600.000
14268	Chocolate	limited fatty acid profile (inc. butyric acid), saturates, mono-unsaturates, poly-unsaturates & cholesterol	FCFO15-CON2	50 g	❄	07/03/2023	13.600.000

FOOD ADDITIVES & INGREDIENTS

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
03171	Cola Drink	benzoic acid, caffeine, acesulfame-K & saccharin	FCFA2-DRN12	150 ml		21/01/2022	13.300.000
03172	Soft Drink	sweeteners	FCFA26-DRN29	150 ml		17/03/2022	13.300.000
03173	Coffee (Ground)	caffeine	FCFA28-DRH10	2 x 30 g		04/05/2022	13.600.000
03174	Soft Drink	brix, pH, citric acid, sorbic acid, cyclamate, saccharin & benzoic acid	FCFA7-DRN29	150 ml		08/07/2022	13.600.000
03175	Soft Drink	colours, a selection from the following list: Allura Red, Brilliant Blue FCF, Carmoisine, Erythrosine, Green S, Indigo Carmine, Patent Blue V, Ponceau 4R, Quinoline Yellow, Sunset Yellow FCF, Tartrazine	FCFA20-DRN29	150 ml		03/08/2022	13.600.000
03176	Energy Drink	caffeine, taurine, citric acid & total sugars	FCFA29-DRN14	150 ml		21/09/2022	13.600.000

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
03177	Cola Drink	caffeine, benzoic acid, total sugars & phosphoric acid (as P_2O_5)	FCFA13-DRN12	150 ml		13/10/2022	13.600.000
03178	Tonic Water	benzoic acid, quinine, acesulfame-K & aspartame	FCFA3-DRN32	150 ml		09/11/2022	13.600.000
03179	Soft Drink	sweeteners	FCFA26-DRN29	150 ml		18/01/2023	13.600.000
03180	Cola Drink	benzoic acid, caffeine, acesulfame-K & saccharin	FCFA2-DRN12	150 ml		16/03/2023	13.600.000
15158	Meat	nitrate as $NaNO_3$ & nitrite as $NaNO_2$	FCFA18-MRP23	25 g		12/01/2022	13.300.000
15159	Milk Powder	nitrate as $NaNO_3$ & nitrite as $NaNO_2$	FCFA18-DRY14	40 g		24/02/2022	13.300.000
15160	Meat	nitrate as $NaNO_3$ & nitrite as $NaNO_2$	FCFA18-MRP23	25 g		12/05/2022	13.600.000
15161	Cabbage Purée	nitrate	FCFA17-VEG32	70 g	❄	07/06/2022	13.600.000
15162	Fish	nitrate as $NaNO_3$ & nitrite as $NaNO_2$	FCFA18-SEA11	25 g		21/07/2022	13.600.000
15163	Lettuce Purée	nitrate	FCFA17-VEG49	70 g	❄	08/08/2022	13.600.000
15164	Meat	nitrate as $NaNO_3$ & nitrite as $NaNO_2$	FCFA18-MRP23	25 g		16/09/2022	13.600.000
15165	Rocket (Rucola) Purée	nitrate	FCFA17-VEG60	70 g	❄	18/10/2022	13.600.000
15166	Spinach Purée	nitrate	FCFA17-VEG70	70 g	❄	15/11/2022	13.600.000
15167	Meat	nitrate as $NaNO_3$ & nitrite as $NaNO_2$	FCFA18-MRP23	25 g		11/01/2023	13.600.000
15168	Milk Powder	nitrate as $NaNO_3$ & nitrite as $NaNO_2$	FCFA18-DRY14	40 g		23/02/2023	13.600.000
15169	Carrot Purée	nitrate	FCFA17-VEG33	70 g	❄	13/03/2023	13.600.000
20191	Tomato Sauce	brix, pH, total acidity, sodium, chloride & benzoic acid	FCFA8-CON21	150 g		05/01/2022	13.300.000
20192	Meat	sulphur dioxide	FCFA22-MRP23	100 g	❄	01/03/2022	13.300.000
20193	Sweets (gelatin-based)	colours, a selection from the following list: Allura Red, Brilliant Blue FCF, Carmoisine, Erythrosine, Green S, Indigo Carmine, Patent Blue V, Ponceau 4R, Quinoline Yellow, Sunset Yellow FCF, Tartrazine	FCFA20-CON32	50 g		30/03/2022	13.300.000
20194	Prawns	sulphur dioxide	FCFA22-SEA20	100 g	❄	04/04/2022	13.600.000
20195	Jam	brix, pH, benzoic acid, citric acid & sorbic acid	FCFA4-CON7	70 g		28/04/2022	13.600.000
20196	Chocolate Cake Mix	caffeine, sorbic acid, theobromine & total sugars (expressed as sucrose)	FCFA14-PRO13	50 g		22/06/2022	13.600.000

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
20197	Dried Apricot (Water/Fruit Slurry)	sulphur dioxide	FCFA22-FRU37	100 g	❄	11/07/2022	13.600.000
20198	Sugar Confectionery (Boiled Sweets)	colours, a selection from the following list: Allura Red, Brilliant Blue FCF, Carmoisine, Erythrosine, Green S, Indigo Carmine, Patent Blue V, Ponceau 4R, Quinoline Yellow, Sunset Yellow FCF, Tartrazine	FCFA20-CON17	50 g		28/07/2022	13.600.000
20200	Oil	antioxidants: total BHA (E320), total BHT (E321) & propyl gallate (E310)	FCFA1-OIL20	50 ml		23/09/2022	13.600.000
20201	Meat	sulphur dioxide	FCFA22-MRP23	100 g	❄	03/10/2022	13.600.000
20202	Hot Pepper Sauce	non-permitted colours (illegal dyes) high level, a selection from: Butter Yellow, Orange II, Para Red, Rhodamine B, Sudan (I, II, III, IV), Sudan Black B, Sudan Orange G, Sudan Red B, Sudan Red 7B, Sudan Red G, Toluidine Red	FCFA19-CON5	50 ml		03/11/2022	13.600.000
20203	Dried Apple (Water/Fruit Slurry)	sulphur dioxide	FCFA22-FRU36	100 g	❄	28/11/2022	13.600.000
20205	Tomato Sauce	brix, pH, total acidity, sodium, chloride & benzoic acid	FCFA8-CON21	150 g		04/01/2023	13.600.000
20206	Raisin (Water/Fruit Slurry)	sulphur dioxide	FCFA22-FRU79	100 g	❄	20/02/2023	13.600.000
20207	Meat	sulphur dioxide	FCFA22-MRP23	100 g	❄	06/03/2023	13.600.000
20208	Sweets (gelatin-based)	colours, a selection from the following list: Allura Red, Brilliant Blue FCF, Carmoisine, Erythrosine, Green S, Indigo Carmine, Patent Blue V, Ponceau 4R, Quinoline Yellow, Sunset Yellow FCF, Tartrazine	FCFA20-CON32	50 g		23/03/2023	13.600.000

MYCOTOXINS

Aflatoxins

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
04431	Maize	aflatoxins B & G &/or total	FCMA2-CCP30	55 g		06/01/2022	13.200.000
04432	Pistachio (Water/Nut Slurry)	aflatoxins B & G &/or total	FCMA2-NUT14	100 g	❄	25/01/2022	13.200.000
04434	Milk Powder	aflatoxin M1	FCMA1-DRY14	55 g		16/02/2022	13.200.000
04436	Peanut (Water/Nut Slurry)	aflatoxins B & G &/or total	FCMA2-NUT9	100 g	❄	14/03/2022	13.200.000
04438	Animal Feed (Cereal Based)	aflatoxins B & G &/or total	FCMA2-AFE2	55 g		01/04/2022	13.500.000
04442	Maize Flour	aflatoxins B & G &/or total	FCMA2-CCP32	55 g		18/05/2022	13.500.000
04444	Milk Powder	aflatoxin M1	FCMA1-DRY14	55 g		01/06/2022	13.500.000
04453	Peanut (Water/Nut Slurry)	aflatoxins B & G &/or total	FCMA2-NUT9	100 g	❄	20/09/2022	13.500.000

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
04454	Milk Powder	aflatoxin M1	FCMA1-DRY14	55 g		28/09/2022	13.500.000
04456	Animal Feed (Cereal Based)	aflatoxins B & G &/or total	FCMA2-AFE2	55 g		13/10/2022	13.500.000
04459	Rice (Powdered)	aflatoxins B & G &/or total	FCMA2-CCP66	55 g		17/11/2022	13.500.000
04460	Peanut Butter (Water Slurry)	aflatoxins B & G &/or total	FCMA2-CON12	100 g	❄	22/11/2022	13.500.000
04463	Maize Flour	aflatoxins B & G &/or total	FCMA2-CCP32	55 g		05/01/2023	13.500.000
04467	Milk Powder	aflatoxin M1	FCMA1-DRY14	55 g		15/02/2023	13.500.000
04469	Peanut (Water/Nut Slurry)	aflatoxins B & G &/or total	FCMA2-NUT9	100 g	❄	13/03/2023	13.500.000

Ergot Alkaloids / Pyrrolizidine Alkaloids

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
22190	Rye Flour	ergot alkaloids: contamination of matrix with two or more from ergometrine, ergotamine, ergosine, ergocristine, ergocryptine & ergocornine & their related-inines	FCME1-CCP47	55 g		09/03/2022	23.200.000
22194	Ispaghula Husk (Psyllium Husk)	pyrrolizidine alkaloids (PAs): contamination of matrix with two or more from the list on page 37	FCME2-UMI49	30 g		14/07/2022	23.800.000
22196	Baby Food	ergot alkaloids: contamination of matrix with two or more from ergometrine, ergotamine, ergosine, ergocristine, ergocryptine & ergocornine & their related-inines	FCME1-INF1	30 g		17/08/2022	23.800.000
22203	Rye Flour	ergot alkaloids: contamination of matrix with two or more from ergometrine, ergotamine, ergosine, ergocristine, ergocryptine & ergocornine & their related-inines	FCME1-CCP47	55 g		08/03/2023	23.800.000

Fusarium Toxins

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
22188	Breakfast Cereal	deoxynivalenol (DON) & zearalenone (ZON)	FCMF1-CCP13	55 g		07/01/2022	16.000.000
22189	Cereal	tropane alkaloids: atropine & scopolamine	FCMF6-CCP15	30 g		23/02/2022	16.000.000
22191	Maize Oil	deoxynivalenol (DON) & zearalenone (ZON)	FCMF1-OIL16	50 ml		20/04/2022	16.300.000

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
22192	Dried Pasta	deoxynivalenol (DON), zearalenone (ZON), T-2 & HT-2 toxins & as a sum of T-2 & HT-2 toxins	FCMF2-PRO17	75 g		18/05/2022	16.300.000
22193	Maize Flour	FB_1 & FB_2 and total fumonisins (as a sum of FB_1 & FB_2)	FCMF3-CCP32	55 g		15/06/2022	13.600.000
22195	Maize Flour	trichothecenes: nivalenol, DON, 3 Ac DON, 15 Ac DON, T-2 & HT-2 toxins & as a sum of T-2 & HT-2 toxins	FCMF5-CCP32	100 g		27/07/2022	26.200.000
22197	Animal Feed (Cereal Based)	deoxynivalenol (DON), zearalenone (ZON), T-2 & HT-2 toxins & as a sum of T-2 & HT-2 toxins	FCMF2-AFE2	75 g		22/09/2022	18.300.000
22198	Baby Food (Multigrain)	tropane alkaloids: atropine & scopolamine	FCMF6-INF17	30 g		14/10/2022	16.300.000
22200	Breakfast Cereal	deoxynivalenol (DON) & zearalenone (ZON)	FCMF1-CCP13	55 g		06/01/2023	16.300.000
22201	Tomato Juice	alternaria toxins	FCMF09-DRN31	100 ml	❄	13/02/2023	20.300.000
22202	Cereal (Powdered)	tropane alkaloids: atropine & scopolamine	FCMF6-CCP64	30 g		22/02/2023	16.300.000

Multi-Mycotoxins

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
04433	Maize	aflatoxin B1 &/or total, DON, ZON & OTA	FCMM1-CCP30	100 g		03/02/2022	19.800.000
04435	Spice - Black Pepper	aflatoxins B & G &/or total & OTA	FCMM4-SPI1	75 g		03/03/2022	16.300.000
04437	Oat Flour	aflatoxin B & G &/or total, OTA, T-2 & HT-2 toxins, sum of T-2 & HT-2 toxins & sterigmatocystin	FCMM11-CCP38	55 g		23/03/2022	19.800.000
04439	Maize Flour	aflatoxin B1, DON, ZON, OTA, FB_1 & FB_2 & total fumonisins (as a sum of FB_1 & FB_2), T-2 & HT-2 toxins & as sum of T-2 & HT-2 toxins	FCMM3-CCP32	100 g		06/04/2022	26.600.000
04440	Infant Food	contamination of matrix with two or more from the following list: aflatoxins B & G &/or total, OTA, ZON, DON, FB_1 & FB_2 & total fumonisins (as a sum of FB_1 & FB_2) -& T-2 & HT-2 toxins & as sum of T-2 & HT-2 toxins	FCMM6-INF8	150 g		21/04/2022	20.300.000

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
04441	Almond (Water/Nut Slurry)	aflatoxins B & G &/or total & OTA	FCMM4-NUT1	100 g	❄	10/05/2022	16.600.000
04443	Cocoa Powder	aflatoxins B & G &/or total & OTA	FCMM4-DRH5	75 g		26/05/2022	16.600.000
04445	Paprika	aflatoxins B & G &/or total & OTA	FCMM4-SPI14	75 g		16/06/2022	16.600.000
04446	Hazelnut (Water/Nut Slurry)	aflatoxins B & G &/or total & OTA	FCMM4-NUT6	100 g	❄	28/06/2022	16.600.000
04447	Pet Dog Food (Dry, Cereal Based)	aflatoxin B1, DON, ZON, OTA, FB_1 & FB_2 & total fumonisins (as a sum of FB_1 & FB_2), T-2 & HT-2 toxins & as sum of T-2 & HT-2 toxins	FCMM3-PFO11	100 g		07/07/2022	26.600.000
04448	Maize Flour	aflatoxin B1, DON, ZON, OTA, FB_1 & FB_2 & total fumonisins (as a sum of FB_1 & FB_2), T-2 & HT-2 toxins & as sum of T-2 & HT-2 toxins	FCMM3-CCP32	100 g		21/07/2022	26.600.000
04449	Dried Figs (Water/Fruit Slurry)	aflatoxins B & G &/or total & OTA	FCMM4-FRU38	150 g	❄	02/08/2022	16.600.000
04450	Sesame Paste (Tahini)	aflatoxins B & G &/or total & OTA	FCMM4-NUT17	100 g	❄	16/08/2022	16.600.000
04451	Barley Flour	aflatoxins B & G &/or total & OTA	FCMM4-CCP4	75 g		26/08/2022	16.600.000
04452	Chilli Powder	aflatoxins B & G &/or total & OTA	FCMM4-SPI6	75 g		08/09/2022	16.600.000
04455	Infant Food	aflatoxins B & G &/or total & OTA	FCMM4-INF8	55 g		06/10/2022	16.600.000
04457	Maize Flour	aflatoxin B1, DON, ZON & OTA	FCMM2-CCP32	150 g		26/10/2022	20.300.000
04458	Ginger	aflatoxins B & G &/or total & OTA	FCMM4-SPI23	75 g		03/11/2022	16.600.000
04461	Animal Feed (Cereal Based)	contamination of matrix with two or more from the following list: aflatoxin B1, OTA, ZON, DON, FB_1 & FB_2 & total fumonisins (as a sum of FB_1 & FB_2)	FCMM5-AFE2	150 g		02/12/2022	20.300.000
04462	Durum Wheat	aflatoxin B1, DON, ZON, OTA, FB_1 & FB_2 & total fumonisins (as a sum of FB_1 & FB_2), T-2 & HT-2 toxins & as sum of T-2 & HT-2 toxins	FCMM3-CCP68	100 g		07/12/2022	26.600.000
04464	Coconut Flour	aflatoxins B & G &/or total & OTA	FCMM4-CCP69	75 g		19/01/2023	16.600.000

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
04465	Pistachio (Water/Nut Slurry)	aflatoxins B & G &/or total & OTA	FCMM4-NUT14	100 g	❄	24/01/2023	16.600.000
04466	Maize Flour	aflatoxin B1 &/or total, DON, ZON & OTA	FCMM1-CCP32	100 g		02/02/2023	20.300.000
04468	Spice - Black Pepper	aflatoxins B & G &/or total & OTA	FCMM4-SPI1	75 g		02/03/2023	16.600.000
04470	Oat Flour	aflatoxin B & G &/or total, OTA, T-2 & HT-2 toxins, sum of T-2 & HT-2 toxins & sterigmatocystin	FCMM11-CCP38	55 g		29/03/2023	20.300.000
17221	Flour	ochratoxin A & citrinin	FCMM8-CCP28	75 g		02/03/2022	13.200.000
17235	Flour	ochratoxin A & citrinin	FCMM8-CCP28	55 g		01/03/2023	13.500.000
22199	Wheat Flour	deoxynivalenol (DON), zearalenone (ZON), T-2 & HT-2 toxins, sum of T-2 & HT-2 toxins & aflatoxin B & G &/or total	FCMM10-CCP49	75 g		09/11/2022	20.300.000

Multi-Mycotoxin Blank Material

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
N/A	Blank Maize Flour	blank	BLMM7-CCP7QC	100 g		N/A	7.900.000

This blank maize matrix may be used as a control material for any of the above maize mycotoxin tests

Ochratoxin A (OTA)

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
17220	Wheat Flour	ochratoxin A	FCMO1-CCP49	55 g		26/01/2022	13.200.000
17222	Grape Juice	ochratoxin A	FCMO1-DRN19	55 ml	❄	22/03/2022	13.200.000
17223	Dried Vine Fruit (Water/Fruit Slurry)	ochratoxin A	FCMO1-FRU43	100 g	❄	11/04/2022	13.500.000
17224	Barley Flour	ochratoxin A	FCMO1-CCP4	55 g		19/05/2022	13.500.000
17225	Herb (mixed, dried)	ochratoxin A	FCMO1-VEG89	55 g		23/06/2022	13.500.000
17226	Coffee (Green)	ochratoxin A	FCMO1-DRH9	55 g		08/07/2022	13.500.000
17227	Wine	ochratoxin A	FCMO1-DRA13	55 ml		11/08/2022	13.500.000
17228	Soya Beans (Dried)	ochratoxin A	FCMO1-VEG67	55 g		25/08/2022	13.500.000
17229	Maize Flour	ochratoxin A	FCMO1-CCP32	55 g		01/09/2022	13.500.000
17230	Instant Coffee	ochratoxin A	FCMO1-DRH18	55 g		14/10/2022	13.500.000
17231	Animal Feed (Cereal Based)	ochratoxin A	FCMO1-AFE2	55 g		02/11/2022	13.500.000
17232	Roasted Coffee	ochratoxin A	FCMO1-DRH21	55 g		23/11/2022	13.500.000
17233	Wheat Flour	ochratoxin A	FCMO1-CCP49	55 g		25/01/2023	13.500.000
17234	Mixed Spice	ochratoxin A	FCMO1-SPI12	55 g		09/02/2023	13.500.000
17236	Grape Juice	ochratoxin A	FCMO1-DRN19	55 ml	❄	21/03/2023	13.500.000

Patulin

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
1678	Apple Juice (Clear)	patulin	FCMP1-DRN2	50 ml	❄	11/01/2022	13.200.000
1679	Apple Purée	patulin	FCMP1-FRU2	60 g	❄	03/05/2022	13.500.000
1680	Apple Juice (Cloudy)	patulin	FCMP1-DRN3	50 ml	❄	25/10/2022	13.500.000
1681	Apple Juice (Clear)	patulin	FCMP1-DRN2	50 ml	❄	10/01/2023	13.500.000

NUTRITIONAL & PROXIMATES

Nutritional Components

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
01150	Canned Meat	moisture, ash, total fat, nitrogen, sodium & chloride	FCNC15-MRP12	150 g		13/01/2022	13.400.000
01151	Canned Meat Meal	moisture, ash, total fat, nitrogen, sodium & chloride	FCNC15-MRP13	150 g		17/03/2022	13.400.000
01154	Canned Meat	moisture, ash, total fat, nitrogen & hydroxyproline	FCNC11-MRP12	150 g		20/05/2022	13.600.000
01155	Canned Meat	moisture, ash, total fat, nitrogen, sodium & chloride	FCNC15-MRP12	150 g		15/07/2022	13.600.000
01156	Canned Meat Meal	total fat, saturated fatty acids, protein, total sugars & salt	FCNC25-MRP13	150 g		19/08/2022	13.600.000
01157	Canned Meat	moisture, ash, total fat, nitrogen & hydroxyproline	FCNC11-MRP12	150 g		29/09/2022	13.600.000
01158	Canned Meat Meal	moisture, ash, total fat, nitrogen, sodium, chloride & total sugars	FCNC16-MRP13	150 g		25/11/2022	13.600.000
01159	Canned Meat	moisture, ash, total fat, nitrogen, sodium & chloride	FCNC15-MRP12	150 g		12/01/2023	13.600.000
01160	Canned Meat Meal	moisture, ash, total fat, nitrogen, sodium & chloride	FCNC15-MRP13	150 g		09/03/2023	13.600.000
0883	Apple Juice	brix, pH, total acidity, sugars, calcium, magnesium, phosphorus & sodium	FCNC27-DRN1	250 ml		27/01/2022	13.300.000
0884	Pineapple Juice	ash, brix, pH, total acidity, sugars, calcium, magnesium, potassium & sodium	FCNC1-DRN27	250 ml		11/05/2022	14.100.000
0885	Orange Juice	brix, pH, citric acid, sugars, calcium, magnesium, phosphorus & potassium	FCNC31-DRN26	250 ml		17/08/2022	14.100.000
0886	Fruit Smoothie	brix, pH, total acidity, sugars, calcium, magnesium, potassium, sodium & Total Dietary Fibre by AOAC	FCNC53-DRN18	250 ml		26/10/2022	14.100.000
0887	Apple Juice	brix, pH, total acidity, sugars, calcium, magnesium, phosphorus & sodium	FCNC27-DRN1	250 ml		20/01/2023	14.100.000
0888	Grape Juice	brix, pH, total acidity, sugars, calcium, magnesium, potassium & sodium	FCNC34-DRN19	250 ml		29/03/2023	14.100.000

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
10181	Dairy Ration	moisture, ash, total oil, protein, crude fibre, iron, magnesium, manganese & selenium	FCNC20-AFE7	225 g		18/03/2022	21.000.000
10182	Pig Ration	moisture, ash, total oil, protein, crude fibre, aNDF, vitamin E & zinc	FCNC19-AFE14	150 g		29/06/2022	14.900.000
10183	Soybean meal	moisture, ash, protein, crude fibre	FCNC7-AFE20	150 g		23/09/2022	14.900.000
10184	Pet Dog Food (Dry)	moisture, ash, protein, total oil, crude fibre, starch & total sugars	FCNC9-PFO7	150 g		04/11/2022	14.900.000
10185	Poultry Ration	moisture, ash, total oil, protein, crude fibre, starch, total sugars, calcium & phosphorus	FCNC21-AFE16	225 g		07/12/2022	21.500.000
10187	Dairy Ration	moisture, ash, total oil, protein, crude fibre, iron, magnesium, manganese & selenium	FCNC20-AFE7	225 g		16/03/2023	21.500.000
20199	Soy Sauce	pH, total acidity, total sugars, sodium, chloride, sorbic acid	FCNC47-CON15	150 g		24/08/2022	13.600.000
20204	Sweets (gelatin-based)	fructose, glucose & sucrose	FCNC38-CON32	50 g		09/12/2022	13.600.000
2497	Wheat Flour	moisture at 130°C, ash, nitrogen & total dietary fibre by AOAC	FCNC4-CCP49	150 g		11/02/2022	13.100.000
2498	Porridge Oats	moisture at 130°C, ash at 550°C, total fat, nitrogen & total dietary fibre by AOAC	FCNC5-CCP40	150 g		22/04/2022	13.300.000
2499	Cereal (Powdered)	moisture at 130°C, ash at 550°C, nitrogen & total dietary fibre by AOAC	FCNC41-CCP64	150 g		30/06/2022	13.300.000
24100	Breadcrumbs	moisture, ash at 550°C, nitrogen, starch, sodium & total dietary fibre by AOAC	FCNC6-PRO9	150 g		14/09/2022	13.300.000
24101	Baby Food (Cereal Based)	moisture, ash, total fat, nitrogen, total dietary fibre by AOAC , starch, sodium & chloride	FCNC39-INF21	150 g		27/10/2022	13.300.000
24102	Biscuit (Cookie)	moisture, ash at 550°C, total fat, nitrogen & total dietary fibre by AOAC	FCNC13-PRO2	150 g		16/11/2022	13.300.000
24103	Wheat Flour	moisture at 130°C, ash, nitrogen & total dietary fibre by AOAC	FCNC4-CCP49	150 g		03/02/2023	13.300.000
25207	Cheese & Pasta Meal	moisture, ash, total fat, nitrogen, sodium & chloride	FCNC15-PRO12	100 g		13/01/2022	13.400.000
25208	Yoghurt	ash, total fat, nitrogen, pH, titratable acidity & total sugars	FCNC40-DRY19	150 g	❄	08/02/2022	13.100.000
25209	Butter	moisture, total fat, non-fat solids, pH & chloride	FCNC24-DRY6	200 g	❄	22/02/2022	13.100.000
25211	Corn/Maize based Snack Food	moisture, ash, total fat, nitrogen, sodium & chloride	FCNC15-PRO39	50 g		16/03/2022	13.100.000
25212	Fish Paste	moisture, ash, total fat, nitrogen, sodium & chloride	FCNC15-SEA15	150 g		08/04/2022	13.800.000

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
25213	Condensed Milk	moisture, ash, total fat, nitrogen & total sugars	FCNC14-DRY9	150 ml		13/05/2022	14.200.000
25214	Milkshake Powder	fructose, galactose, glucose, lactose, maltose & sucrose	FCNC3-DRY15	50 g		10/06/2022	13.800.000
25215	Cheese	moisture, ash, total fat, nitrogen, sodium, chloride & starch	FCNC50-DRY7	150 g	❄	21/06/2022	13.800.000
25216	Chocolate	moisture, total fat, nitrogen, butyric acid, lactose & sucrose	FCNC23-CON2	150 g	❄	05/07/2022	13.800.000
25217	Infant Formula	moisture, ash, total fat, nitrogen, pH, titratable acidity, lactose, sodium & chloride	FCNC29-INF10	50 g		04/08/2022	13.800.000
25218	Instant Cappuccino Drink (powder)	moisture, ash, total fat, nitrogen, pH, sodium, chloride, & total sugars	FCNC43-DRH27	150 g		18/08/2022	13.800.000
25220	Plant Based Milk Alternative	ash, total fat, nitrogen, pH, sodium, chloride & total sugars	FCNC51-DRY21	150 ml	❄	26/09/2022	14.200.000
25221	Pizza (Cooked)	moisture, ash, total fat, saturates, mono-unsaturates, poly-unsaturates, nitrogen, sodium, chloride, total dietary fibre by AOAC & total sugars	FCNC37-PRO42	75 g	❄	11/10/2022	13.800.000
25222	Milk Powder	moisture, ash, total fat, nitrogen & lactose	FCNC12-DRY14	50 g		21/10/2022	13.800.000
25223	Corn/Maize based Snack Food	pH, titratable acidity, total sugars, monosodium glutamate, magnesium, potassium	FCNC30-PRO39	50 g		04/11/2022	13.800.000
25224	Dried Fruit	moisture, ash, nitrogen, total dietary fibre by AOAC & sugars	FCNC44-FRU39	100 g	❄	22/11/2022	14.200.000
25225	Infant Formula	amino acids	FCNC45-INF10	50 g		14/12/2022	19.800.000
25226	Cheese & Pasta Meal	moisture, ash, total fat, nitrogen, sodium & chloride	FCNC15-PRO12	100 g		13/01/2023	13.800.000
25227	Peanut Butter	moisture, ash, total fat, saturates, mono-unsaturates, poly-unsaturates, nitrogen, pH, salt, total dietary fibre by AOAC & total sugars	FCNC46-NUT31	150 g		31/01/2023	13.800.000
25228	Yoghurt	ash, total fat, nitrogen, pH, titratable acidity & total sugars	FCNC40-DRY19	150 g	❄	07/02/2023	13.800.000
25229	Milk Powder	ash, total fat, nitrogen, pH, titratable acidity & lactose (report results as reconstituted)	FCNC49-DRY14	50 g		17/02/2023	13.800.000
25230	Butter	moisture, total fat, non-fat solids, pH & chloride	FCNC24-DRY6	200 g	❄	21/02/2023	13.800.000
25231	Vegan Ready to Eat Meal	moisture, ash, total fat, nitrogen, sodium, chloride, saturates, mono-unsaturates, poly-unsaturates, total sugars & total dietary fibre by AOAC	FCNC52-PRO44	150 g	❄	06/03/2023	13.800.000

25233	Corn/Maize based Snack Food	moisture, ash, total fat, nitrogen, sodium & chloride	FCNC15-PRO39	50 g		30/03/2023	13.800.000
3204	Processed Food (Ready to Eat Meal)	Nutritional Components/Elements, Allergens & Contaminants	FCXS1-PRO41	300 g	❄	06/12/2022	24.600.000

Nutritional Elements

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
10180	Premix	calcium, magnesium, manganese, phosphorus, sodium & zinc	FCNE5-AFE17	150 g		27/01/2022	13.500.000
10186	Premix	calcium, magnesium, manganese, phosphorus, sodium & zinc	FCNE5-AFE17	150 g		20/01/2023	13.800.000
18106	Infant Formula	calcium, copper, iodine, iron, magnesium, manganese, phosphorus, potassium, selenium, sodium & zinc	FCNE1-INF10	50 g		10/03/2022	13.500.000
18108	Milk Powder	calcium, copper, iodine, iron, manganese, magnesium, molybdenum, phosphorus, potassium, selenium, sodium, zinc	FCNE8-DRY14	50 g		29/04/2022	13.800.000
18109	Breakfast Cereal	calcium, iron, magnesium, phosphorus, potassium, sodium & zinc	FCNE4-CCP13	50 g		06/07/2022	13.800.000
18110	Coconut Powder	calcium, copper, iron, manganese, magnesium, molybdenum, phosphorus, potassium, selenium, sodium, zinc	FCNE9-NUT28	50 g		02/09/2022	13.800.000
18111	Milk Powder	calcium, copper, iodine, iron, manganese, magnesium, molybdenum, phosphorus, potassium, selenium, sodium, zinc	FCNE8-DRY14	50 g		11/11/2022	13.800.000
18112	Soy Sauce	calcium, magnesium, potassium & sodium	FCNE10-CON15	50 g		17/06/2022	13.800.000
18113	Infant Formula	calcium, copper, iodine, iron, magnesium, manganese, phosphorus, potassium, selenium, sodium & zinc	FCNE1-INF10	50 g		08/03/2023	13.800.000

Vitamins

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
21128	Breakfast Cereal	vitamins B1, B2 (total), B6, B12, total niacin & folic acid	FCNV9-CCP13	100 g		10/02/2022	14.300.000
21129	Powdered Baby Food	vitamins A, B1, B2, B6, B12, C, E, folic acid & total niacin	FCNV10-INF15	140 g		07/04/2022	15.800.000
21130	Infant Formula	vitamins A, B12, C, D3, E & K1	FCNV5-INF10	100 g		26/05/2022	14.700.000
21131	Fruit Purée	vitamin C	FCNV2-FRU47	100 g	❄	20/06/2022	14.000.000
21132	Vegetable Oil	vitamin A & D3	FCNV12-OIL30	40 ml	❄	11/07/2022	14.000.000
21133	Liquid Vitamin Supplement	vitamins B1, B2 (total), B6 & D3	FCNV11-SUP4	40 ml	❄	23/08/2022	14.700.000
21134	Breakfast Cereal	vitamins B1, B2 (total), B6, B12, total niacin & folic acid	FCNV9-CCP13	100 g		09/02/2023	14.700.000

PESTICIDES (for list of possible residues see pages 36 to 37)

Blank matrix samples are available to purchase with many of the proficiency test materials. Every effort has been made to ensure these do not contain the target analytes. Other analytes may be present.

Mixed Residue Methods (Combining Multi-residue and Single-residue Methods)

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
05161	Milk Powder	pesticide residues (fat soluble) [multi-residue methods] including (per)chlorates [single-residue methods]	FCPX10-DRY14	50 g		28/07/2022	14.100.000
05161b	Blank Milk Powder	blank	BLPM9-DRY2	50 g		28/07/2022	4.500.000
05164	Chicken Muscle	biocides (quaternary ammonium compounds) [multi-residue methods] & (per)chlorates [single-residue methods]	FCPX1-MRP17	50 g	❄	29/11/2022	14.100.000
05164b	Blank Chicken Muscle	blank	BLPM7-MRP50	50 g	❄	29/11/2022	4.500.000
05165	Infant Formula	pesticide residues (fat soluble, inc. EU 'red list' - low level) including (per)chlorates [single-residue methods]	FCPX11-INF10	50 g		11/01/2023	14.100.000
05165b	Blank Infant Formula	blank	BLPM10-INF5	50 g		11/01/2023	4.500.000
09144	Basmati Rice	pesticide residues [multi-residue methods] including bromide [single-residue methods]	FCPX2-CCP51	50 g		26/01/2022	13.400.000
09144b	Blank Basmati Rice	blank	BLPM2-CCP52	50 g		26/01/2022	4.400.000
09150	Soya Beans (Dried)	pesticide residues [multi-residue methods] including glyphosate & AMPA [single-residue methods]	FCPX6-VEG67	90 g		16/09/2022	13.600.000
09150b	Blank Soya Beans (Dried)	blank	BLPM2-VEG104	90 g		16/09/2022	4.500.000
09153	Basmati Rice (Powdered)	pesticide residues [multi-residue methods] including bromide [single-residue methods]	FCPX2-CCP60	50 g		25/01/2023	13.600.000
09153b	Blank Basmati Rice (Powdered)	blank	BLPM2-CCP61	50 g		25/01/2023	4.500.000
09155	Lentils (Dried)	pesticide residues [multi-residue methods] including glyphosate [single-residue methods]	FCPX12-VEG86	90 g		22/03/2023	13.600.000
09155b	Blank Lentils (Dried)	blank	BLPM2-VEG87	90 g		22/03/2023	4.500.000

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
19330	Herb (Parsley) Purée	biocides (quaternary ammonium compounds) [multi-residue methods] & (per)chlorates [single-residue methods]	FCPX1-VEG45	90 g	❄	21/02/2022	13.400.000
19330b	Blank Herb (Parsley) Purée	blank	BLPM6-VEG15	90 g	❄	21/02/2022	4.400.000
19332	Tea (Herbal)	pesticide residues (tea matrix) [multi-residue methods] including (per)chlorates [single-residue methods]	FCPX5-DRH23	50 g		03/03/2022	13.400.000
19332b	Blank Tea (Herbal)	blank	BLPM3-DRH26	50 g		03/03/2022	4.400.000
19336	Onion Purée	pesticide residues [multi-residue methods] including maleic hydrazide [single-residue methods]	FCPX8-VEG55	90 g	❄	19/04/2022	13.600.000
19336b	Blank Onion Purée	blank	BLPM2-VEG108	90 g	❄	19/04/2022	4.500.000
19343	Coffee (Green, Milled)	glyphosate	FCPX9-DRH31	50 g	❄	01/08/2022	12.700.000
19343b	Blank Coffee (Green, Milled)	blank	BLPM1-DRH29	50 g	❄	01/08/2022	4.500.000
19349	Sesame Seeds	ethylene oxide (as 2-chloroethanol)	FCPX7-NUT34	50 g	❄	03/10/2022	16.800.000
19351	Salad Leaf Purée	biocides (quaternary ammonium compounds) [multi-residue methods] & (per)chlorates [single-residue methods]	FCPX1-VEG62	90 g	❄	18/10/2022	13.600.000
19351b	Blank Salad Leaf Purée	blank	BLPM6-VEG24	90 g	❄	18/10/2022	4.500.000
19354	Peanut Butter	pesticide residues [multi-residue methods] including bromide [single-residue methods]	FCPX2-NUT31	90 g	❄	22/11/2022	13.600.000
19354b	Blank Peanut Butter	blank	BLPM2-NUT33	90 g	❄	22/11/2022	4.500.000
19355	Green Tea	pesticide residues (tea matrix) [multi-residue methods] including (per)chlorates [single-residue methods]	FCPX5-DRH14	50 g		01/12/2022	13.600.000
19355b	Blank Green Tea	blank	BLPM3-DRH1	50 g		01/12/2022	4.500.000
19360	Prepared Fruit Purée	biocides (quaternary ammonium compounds) [multi-residue methods] & (per)chlorates [single-residue methods]	FCPX1-FRU63	90 g	❄	13/02/2023	13.600.000
19360b	Blank Prepared Fruit Purée	blank	BLPM6-FRU27	90 g	❄	13/02/2023	4.500.000

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
19362	Tea (Herbal)	pesticide residues (tea matrix) [multi-residue methods] including (per)chlorates [single-residue methods]	FCPX5-DRH23	50 g		02/03/2023	13.600.000
19362b	Blank Tea (Herbal)	blank	BLPM3-DRH26	50 g		02/03/2023	4.500.000

Multi Residue Methods

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
05157	Infant Formula	pesticide residues (fat soluble, inc. EU 'red list' - low level)	FCPM10-INF10	50 g		12/01/2022	13.900.000
05157b	Blank Infant Formula	blank	BLPM10-INF5	50 g		12/01/2022	4.400.000
05158	CBD Product (Oil Based)	pesticide residues (multi-residue)	FCPM2-UMI44	10 g		02/02/2022	13.900.000
05158b	Blank CBD Product (Oil Based)	blank	BLPM2-UMI45	10 g		02/02/2022	4.400.000
05159	Chicken (Hens) Eggs	pesticide residues (fat soluble & recommended monitoring)	FCPM11-EGG2	50 g	❄	01/03/2022	13.900.000
05159b	Blank Chicken (Hens) Eggs	blank	BLPM11-EGG1	50 g	❄	01/03/2022	4.400.000
05160	Oily Fish	pesticide residues (fat soluble)	FCPM9-SEA18	50 g	❄	31/05/2022	14.100.000
05160b	Blank Oily Fish	blank	BLPM9-SEA3	50 g	❄	31/05/2022	4.500.000
05162	Animal Fat (Pork)	pesticide residues (fat soluble)	FCPM9-FAT2	50 g	❄	06/09/2022	14.100.000
05162b	Blank Animal Fat (Pork)	blank	BLPM9-FAT3	50 g	❄	06/09/2022	4.500.000
05163	Olive Oil (Virgin)	pesticide residues (multi-residue)	FCPM2-OIL34	50 g		05/10/2022	14.100.000
05163b	Blank Olive Oil (Virgin)	blank	BLPM2-OIL36	50 g		05/10/2022	4.500.000
05166	CBD Product (Oil Based)	pesticide residues (multi-residue)	FCPM2-UMI44	10 g		01/02/2023	14.100.000
05166b	Blank CBD Product (Oil Based)	blank	BLPM2-UMI45	10 g		01/02/2023	4.500.000
05167	Chicken (Hens) Eggs	pesticide residues (fat soluble & recommended monitoring)	FCPM11-EGG2	50 g	❄	28/02/2023	14.100.000
05167b	Blank Chicken (Hens) Eggs	blank	BLPM11-EGG1	50 g	❄	28/02/2023	4.500.000
09145	Wheat Flour	pesticide residues (multi-residue)	FCPM2-CCP49	50 g		10/02/2022	13.400.000
09145b	Blank Wheat Flour	blank	BLPM2-CCP11	50 g		10/02/2022	4.400.000
09147	Barley Flour	pesticide residues (multi-residue)	FCPM2-CCP4	50 g		11/05/2022	13.600.000
09147b	Blank Barley Flour	blank	BLPM2-CCP72	50 g		11/05/2022	4.500.000

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
09148	Brown Rice (Powdered)	pesticide residues (multi-residue)	FCPM2-CCP63	50 g		08/06/2022	13.600.000
09148b	Blank Brown Rice (Powdered)	blank	BLPM2-CCP62	50 g		08/06/2022	4.500.000
09149	Wheat Flour	pesticide residues (multi-residue)	FCPM2-CCP49	50 g		10/08/2022	13.600.000
09149b	Blank Wheat Flour	blank	BLPM2-CCP11	50 g		10/08/2022	4.500.000
09151	Animal Feed (Cereal Based)	pesticide residues (multi-residue)	FCPM2-AFE2	50 g		12/10/2022	13.600.000
09151b	Blank Animal Feed (Cereal Based)	blank	BLPM2-AFE21	50 g		12/10/2022	4.500.000
09154	Wheat Flour	pesticide residues (multi-residue)	FCPM2-CCP49	50 g		17/02/2023	13.600.000
09154b	Blank Wheat Flour	blank	BLPM2-CCP11	50 g		17/02/2023	4.500.000
19328	Spice - Black Pepper	pesticide residues (multi-residue)	FCPM2-SPI1	50 g	❄	17/01/2022	13.400.000
19328b	Blank Spice - Black Pepper	blank	BLPM2-SPI2	50 g	❄	17/01/2022	4.400.000
19329	Pumpkin Purée	pesticide residues (specified residues) [multi-residue]	FCPM22-VEG102	90 g	❄	17/01/2022	13.400.000
19329b	Blank Pumpkin Purée	blank	BLPM22-VEG101	90 g	❄	17/01/2022	4.400.000
19331	Apple Purée	pesticide residues (multi-residue)	FCPM2-FRU2	90 g	❄	21/02/2022	13.400.000
19331b	Blank Apple Purée	blank	BLPM2-FRU5	90 g	❄	21/02/2022	4.400.000
19334	Lemon Purée	pesticide residues (multi-residue)	FCPM2-FRU52	90 g	❄	05/04/2022	13.600.000
19334b	Blank Lemon Purée	blank	BLPM2-FRU16	90 g	❄	05/04/2022	4.500.000
19335	Carrot Purée	pesticide residues (multi-residue)	FCPM2-VEG33	90 g	❄	05/04/2022	13.600.000
19335b	Blank Carrot Purée	blank	BLPM2-VEG9	90 g	❄	05/04/2022	4.500.000
19337	Orange Juice	pesticide residues (multi-residue)	FCPM2-DRN26	90 g	❄	16/05/2022	13.600.000
19337b	Blank Orange Juice	blank	BLPM2-DRN42	90 g	❄	16/05/2022	4.500.000
19338	Tomato Purée	pesticide residues (multi-residue)	FCPM2-VEG76	90 g	❄	24/05/2022	13.600.000
19338b	Blank Tomato Purée	blank	BLPM2-VEG29	90 g	❄	24/05/2022	4.500.000
19339	Cucumber Purée	pesticide residues (multi-residue)	FCPM2-VEG38	90 g	❄	06/06/2022	13.600.000
19339b	Blank Cucumber Purée	blank	BLPM2-VEG13	90 g	❄	06/06/2022	4.500.000

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
19340	Lettuce Purée	pesticide residues (multi-residue)	FCPM2-VEG49	90 g	❄	06/06/2022	13.600.000
19340b	Blank Lettuce Purée	blank	BLPM2-VEG18	90 g	❄	06/06/2022	4.500.000
19341	Pea (with Pods) Purée	pesticide residues (multi-residue)	FCPM2-VEG57	90 g	❄	19/07/2022	13.600.000
19341b	Blank Pea (with Pods) Purée	blank	BLPM2-VEG22	90 g	❄	19/07/2022	4.500.000
19342	Cabbage Purée	pesticide residues (multi-residue)	FCPM2-VEG32	90 g	❄	19/07/2022	13.600.000
19342b	Blank Cabbage Purée	blank	BLPM2-VEG8	90 g	❄	19/07/2022	4.500.000
19344	Kiwi Fruit Purée	pesticide residues (multi-residue)	FCPM2-FRU69	90 g	❄	22/08/2022	13.600.000
19344b	Blank Kiwi Fruit Purée	blank	BLPM2-FRU70	90 g	❄	22/08/2022	4.500.000
19345	Strawberry Purée	pesticide residues (multi-residue)	FCPM2-FRU67	90 g	❄	22/08/2022	13.600.000
19345b	Blank Strawberry Purée	blank	BLPM2-FRU30	90 g	❄	22/08/2022	4.500.000
19346	Potato Purée	pesticide residues (multi-residue)	FCPM2-VEG59	90 g	❄	05/09/2022	13.600.000
19346b	Blank Potato Purée	blank	BLPM2-VEG23	90 g	❄	05/09/2022	4.500.000
19347	Herb (Basil) Purée	pesticide residues (multi-residue)	FCPM2-VEG2	90 g	❄	19/09/2022	13.600.000
19347b	Blank Herb (Basil) Purée	blank	BLPM2-VEG5	90 g	❄	19/09/2022	4.500.000
19350	Blueberry Purée	pesticide residues (multi-residue)	FCPM2-FRU31	90 g	❄	18/10/2022	13.600.000
19350b	Blank Blueberry Purée	blank	BLPM2-FRU8	90 g	❄	18/10/2022	4.500.000
19352	Courgette (Zucchini) Purée	pesticide residues (multi-residue)	FCPM2-VEG36	90 g	❄	07/11/2022	13.600.000
19352b	Blank Courgette (Zucchini) Purée	blank	BLPM2-VEG12	90 g	❄	07/11/2022	4.500.000
19353	Honey	pesticide residues (honey matrix) [multi-residue]	FCPM8-HON2	90 g	❄	07/11/2022	13.600.000
19353b	Blank Honey	blank	BLPM8-HON1	90 g	❄	07/11/2022	4.500.000
19356	Plum Purée	pesticide residues (multi-residue)	FCPM2-FRU62	90 g	❄	06/12/2022	13.600.000
19356b	Blank Plum Purée	blank	BLPM2-FRU26	90 g	❄	06/12/2022	4.500.000

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
19357	Spice - Cumin	pesticide residues (multi-residue)	FCPM2-SPI8	50 g	❄	16/01/2023	13.600.000
19357b	Blank Spice - Cumin	blank	BLPM2-SPI27	50 g	❄	16/01/2023	4.500.000
19358	Pear Purée	pesticide residues (specified residues) [multi-residue]	FCPM22-FRU60	90 g	❄	16/01/2023	13.600.000
19358b	Blank Pear Purée	blank	BLPM22-FRU24	90 g	❄	16/01/2023	4.500.000
19359	Dried Mixed Fruit Purée	pesticide residues (multi-residue)	FCPM2-FRU77	90 g	❄	07/02/2023	13.600.000
19359b	Blank Dried Mixed Fruit Purée	blank	BLPM2-FRU78	90 g	❄	07/02/2023	4.500.000
19361	Apple Purée	pesticide residues (multi-residue)	FCPM2-FRU2	90 g	❄	13/02/2023	13.600.000
19361b	Blank Apple Purée	blank	BLPM2-FRU5	90 g	❄	13/02/2023	4.500.000

Single Residue Methods

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
09146	Oat Flour	chlormequat, mepiquat, glyphosate, AMPA and trinexapac-ethyl	FCMS5-CCP38	100 g		20/04/2022	13.600.000
09146b	Blank Oat Flour	blank	BLMS5-CCP67	100 g		20/04/2022	4.500.000
09152	Wheat Flour	chlormequat, mepiquat, glyphosate, AMPA and trinexapac-ethyl	FCMS5-CCP49	100 g		10/11/2022	13.600.000
09152b	Blank Wheat Flour	blank	BLMS5-CCP11	100 g		10/11/2022	4.500.000
19333	Grape Purée	dithiocarbamates	FCMS3-FRU49	90 g	❄	21/03/2022	16.500.000
19333b	Blank Grape Purée	blank	BLMS3-FRU15	90 g	❄	21/03/2022	5.200.000
19348	Lettuce Purée	dithiocarbamates	FCMS3-VEG49	90 g	❄	19/09/2022	16.800.000
19348b	Blank Lettuce Purée	blank	BLMS3-VEG18	90 g	❄	19/09/2022	5.300.000
19363	Red Grape Purée	single residue monitoring (see page 38 for potential residues)	FCMS5-FRU65	100 g	❄	20/03/2023	20.300.000
19363b	Blank Red Grape Purée	blank	BLPM1-FRU28	100 g	❄	20/03/2023	5.300.000
19364	Mandarin Purée	dithiocarbamates	FCMS3-FRU54	90 g	❄	20/03/2023	16.800.000
19364b	Blank Mandarin Purée	blank	BLMS3-FRU18	90 g	❄	20/03/2023	5.300.000

QUALITY

Honey

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
2851	Honey	moisture, fructose, glucose, sucrose, hydroxymethylfurfural (HMF), diastase & free acid	FCQH3-HON2	100 g	❄	08/03/2022	13.200.000
2852	Honey	moisture, fructose, glucose, sucrose, hydroxymethylfurfural (HMF) & diastase	FCQH2-HON2	100 g	❄	21/06/2022	13.500.000
2853	Honey	fructose, glucose, sucrose, hydroxymethylfurfural (HMF), diastase, electrical conductivity, lead (Pb) & pH	FCQH1-HON2	100 g	❄	01/11/2022	13.500.000
2854	Honey	moisture, fructose, glucose, sucrose, hydroxymethylfurfural (HMF), diastase & free acid	FCQH3-HON2	100 g	❄	28/02/2023	13.500.000

Meat & Fish Indices

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
01152	Canned Meat	total volatile basic nitrogen (TVB-N)	FCQT1-MRP12	150 g		31/03/2022	13.400.000
01153	Salami	Water Activity	FCQW1-MRP38	15 g (4 slices)	❄	03/05/2022	13.600.000
01161	Canned Meat	total volatile basic nitrogen (TVB-N)	FCQT1-MRP12	150 g		30/03/2023	13.800.000
25210	Canned Fish	total volatile basic nitrogen (TVB-N)	FCQT1-SEA7	150 g		04/03/2022	13.400.000
25219	Canned Fish	total volatile basic nitrogen (TVB-N)	FCQT1-SEA7	150 g		07/09/2022	13.800.000
25232	Canned Fish	total volatile basic nitrogen (TVB-N)	FCQT1-SEA7	150 g		17/03/2023	13.800.000

Olive Oil and Vegetable Oil

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
14245	Olive Oil	peroxide value, acidity, anisidine value & iodine value	FCQO1-OIL22	100 ml		04/01/2022	13.200.000
14248	Olive Oil	peroxide value, acidity, K_{232} & K_{270}	FCQO2-OIL22	100 ml		29/03/2022	13.200.000
14251	Vegetable Oil	peroxide value, acidity, anisidine value & iodine value	FCQO1-OIL30	50 ml	❄	13/06/2022	13.600.000
14253	Olive Oil	peroxide value, acidity, anisidine value & iodine value	FCQO1-OIL22	100 ml		12/07/2022	13.600.000
14258	Olive Oil	peroxide value, acidity, K_{232} & K_{270}	FCQO2-OIL22	100 ml		20/09/2022	13.600.000

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
14261	Vegetable Oil	peroxide value, acidity, anisidine value & iodine value	FCQO1-OIL30	50 ml	❄	15/11/2022	13.600.000
14265	Olive Oil	peroxide value, acidity, iodine value & saponification value	FCQO3-OIL22	100 ml		03/01/2023	13.600.000
14269	Olive Oil	peroxide value, acidity, K_{232} & K_{270}	FCQO2-OIL22	100 ml		28/03/2023	13.600.000
3401	Olive Oil	moisture & volatile matter, density, refractive index	FCQO4-OIL22	100 ml		05/08/2022	15.400.000

SEQUENCING

Bacterial DNA

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
SEQ0101	Bacterial DNA	MLST Type	FSOD01-UMI46	1 tube	❄	01/03/2023	14.400.000

VETERINARY DRUG RESIDUES (for list of possible residues please see page 38)

Blank matrix samples are available to purchase with many of the proficiency test materials. Every effort has been made to ensure these do not contain the target analytes. Other analytes may be present. Where possible, incurred residues are used.

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
02454	Fish Muscle	malachite green, leucomalachite green & total malachite green	FCVD11-SEA13	20 g	❄	10/01/2022	16.100.000
02454b	Blank Fish Muscle	blank	BLVD11-SEA2	20 g	❄	10/01/2022	5.000.000
02455	Fish Muscle	sulfonamides	FCVD20-SEA13	20 g	❄	10/01/2022	16.100.000
02455b	Blank Fish Muscle	blank	BLVD20-SEA2	20 g	❄	10/01/2022	5.000.000
02456	Honey	tetracyclines & macrolides	FCVD27-HON2	40 g	❄	18/01/2022	16.100.000
02456b	Blank Honey	blank	BLVD27-HON1	40 g	❄	18/01/2022	5.000.000
02457	Honey	nitrofuran metabolites	FCVD12-HON2	20 g	❄	18/01/2022	16.100.000
02457b	Blank Honey	blank	BLVD12-HON1	20 g	❄	18/01/2022	5.000.000
02458	Chicken (Hens) Eggs	quinolones & fluoroquinolones	FCVD15-EGG2	20 g	❄	31/01/2022	16.100.000
02458b	Blank Chicken (Hens) Eggs	blank	BLVD15-EGG1	20 g	❄	31/01/2022	5.000.000
02459	Bovine Muscle	glucocorticoids	FCVD9-MRP8	20 g	❄	31/01/2022	16.100.000
02459b	Blank Bovine Muscle	blank	BLVD28-MRP49	20 g	❄	31/01/2022	5.000.000
02460	Prawns	tetracyclines	FCVD22-SEA20	20 g	❄	14/02/2022	16.100.000
02460b	Blank Prawns	blank	BLVD22-SEA4	20 g	❄	14/02/2022	5.000.000
02461	Bovine Liver	sulfonamides & trimethoprim & macrolides	FCVD29-MRP7	40 g	❄	14/02/2022	16.100.000
02461b	Blank Bovine Liver	blank	BLVD29-MRP51	40 g	❄	14/02/2022	5.000.000
02462	Bovine Serum	specified hormones	FCVD31-MRP52	2 x 25 ml	❄	07/03/2022	17.800.000
02462b	Blank Bovine Serum	blank	BLVD31-MRP53	2 x 25 ml	❄	07/03/2022	5.000.000
02463	Honey	chloramphenicol, florfenicol, thiamphenicol & total phenicols	FCVD5-HON2	20 g	❄	04/04/2022	16.400.000
02463b	Blank Honey	blank	BLVD5-HON1	20 g	❄	04/04/2022	5.300.000
02464	Fish Muscle	quinolones & fluoroquinolones	FCVD15-SEA13	20 g	❄	25/04/2022	16.400.000
02464b	Blank Fish Muscle	blank	BLVD15-SEA2	20 g	❄	25/04/2022	5.300.000

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
02465	Chicken Liver	nitrofuran metabolites	FCVD12-MRP16	20 g	❄	25/04/2022	16.400.000
02465b	Blank Chicken Liver	blank	BLVD12-MRP54	20 g	❄	25/04/2022	5.300.000
02466	Chicken Liver	tetracyclines	FCVD22-MRP16	20 g	❄	16/05/2022	16.400.000
02466b	Blank Chicken Liver	blank	BLVD22-MRP54	20 g	❄	16/05/2022	5.300.000
02467	Fish Muscle	avermectins	FCVD1-SEA13	20 g	❄	16/05/2022	16.400.000
02467b	Blank Fish Muscle	blank	BLVD1-SEA2	20 g	❄	16/05/2022	5.300.000
02468	Pig Muscle	Beta-agonists	FCVD17-MRP32	20 g	❄	23/05/2022	16.400.000
02468b	Blank Pig Muscle	blank	BLVD17-MRP48	20 g	❄	23/05/2022	5.300.000
02469	Fish Muscle	illegal dyes (veterinary drugs)	FCVD10-SEA13	20 g	❄	23/05/2022	16.400.000
02469b	Blank Fish Muscle	blank	BLVD10-SEA2	20 g	❄	23/05/2022	5.300.000
02470	Pig Urine	synthetic hormones	FCVD21-MRP33	25 ml	❄	07/06/2022	16.400.000
02470b	Blank Pig Urine	blank	BLVD21-MRP59	25 ml	❄	07/06/2022	5.300.000
02471	Bovine Kidney	quinolones & coccidiostats	FCVD34-MRP6	40 g	❄	20/06/2022	16.400.000
02471b	Blank Bovine Kidney	blank	BLPM1-MRP60	40 g	❄	20/06/2022	5.300.000
02472	Bovine Milk	tetracyclines & aminoglycosides	FCVD26-DRY4	40 ml	❄	04/07/2022	16.400.000
02472b	Blank Bovine Milk	blank	BLVD26-DRY20	40 ml	❄	04/07/2022	5.300.000
02473	Fish Muscle	chloramphenicol, florfenicol, thiamphenicol & total phenicols	FCVD5-SEA13	40 g	❄	04/07/2022	16.400.000
02473b	Blank Fish Muscle	blank	BLVD5-SEA2	40 g	❄	04/07/2022	5.300.000
02474	Honey	sulfonamides	FCVD20-HON2	20 g	❄	18/07/2022	16.400.000
02474b	Blank Honey	blank	BLVD20-HON1	20 g	❄	18/07/2022	5.300.000
02475	Fish Muscle	nitrofuran metabolites	FCVD12-SEA13	20 g	❄	18/07/2022	16.400.000
02475b	Blank Fish Muscle	blank	BLVD12-SEA2	20 g	❄	18/07/2022	5.300.000
02476	Turkey Muscle	coccidiostats	FCVD7-MRP44	20 g	❄	01/08/2022	16.400.000
02476b	Blank Turkey Muscle	blank	BLVD7-MRP61	20 g	❄	01/08/2022	5.300.000
02477	Chicken (Hens) Eggs	nitroimidazoles	FCVD13-EGG2	20 g	❄	01/08/2022	16.400.000
02477b	Blank Chicken (Hens) Eggs	blank	BLVD13-EGG1	20 g	❄	01/08/2022	5.300.000
02478	Honey	quinolones & fluoroquinolones	FCVD15-HON2	20 g	❄	16/08/2022	16.400.000
02478b	Blank Honey	blank	BLVD15-HON1	20 g	❄	16/08/2022	5.300.000
02479	Sheep Liver	avermectins & anthelmintics	FCVD2-MRP41	40 g	❄	30/08/2022	16.400.000
02479b	Blank Sheep Liver	blank	BLVD23-MRP58	40 g	❄	30/08/2022	5.300.000
02480	Pig Liver	tranquilizers	FCVD32-MRP30	20 g	❄	30/08/2022	16.400.000
02480b	Blank Pig Liver	blank	BLVD24-MRP56	20 g	❄	30/08/2022	5.300.000

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
02481	Pig Liver	nitrofuran & carbadox metabolites	FCVD35-MRP30	40 g	❄	05/09/2022	16.400.000
02481b	Blank Pig Liver	blank	BLPM1-MRP56	40 g	❄	05/09/2022	5.300.000
02482	Bovine Muscle	chloramphenicol, florfenicol, thiamphenicol & total phenicols	FCVD5-MRP8	40 g	❄	26/09/2022	16.400.000
02482b	Blank Bovine Muscle	blank	BLVD5-MRP49	40 g	❄	26/09/2022	5.300.000
02483	Bovine Milk	Beta-lactams (penicillins & cephalosporins)	FCVD18-DRY4	25 ml	❄	26/09/2022	16.400.000
02483b	Blank Bovine Milk	blank	BLVD18-DRY20	25 ml	❄	26/09/2022	5.300.000
02484	Poultry Feed	coccidiostats & chloramphenicol (contaminant levels)	FCVD8-AFE15	40 g		30/09/2022	16.400.000
02484b	Blank Poultry Feed	blank	BLVD30-AFE23	40 g		30/09/2022	5.300.000
02485	Turkey Muscle	sulfonamides	FCVD20-MRP44	20 g	❄	11/10/2022	16.400.000
02485b	Blank Turkey Muscle	blank	BLPM1-MRP61	20 g	❄	11/10/2022	5.300.000
02486	Prawns	nitrofuran metabolites	FCVD12-SEA20	20 g	❄	24/10/2022	16.400.000
02486b	Blank Prawns	blank	BLVD12-SEA4	20 g	❄	24/10/2022	5.300.000
02487	Fish Muscle	tetracyclines	FCVD22-SEA13	20 g	❄	24/10/2022	16.400.000
02487b	Blank Fish Muscle	blank	BLVD22-SEA2	20 g	❄	24/10/2022	5.300.000
02488	Prawns	chloramphenicol, florfenicol, thiamphenicol & total phenicols	FCVD5-SEA20	40 g	❄	14/11/2022	16.400.000
02488b	Blank Prawns	blank	BLVD5-SEA4	40 g	❄	14/11/2022	5.300.000
02489	Bovine Kidney	non-steroidal anti-inflammatory drugs (NSAIDs)	FCVD24-MRP6	25 g	❄	14/11/2022	16.400.000
02489b	Blank Bovine Kidney	blank	BLVD25-MRP60	25 g	❄	14/11/2022	5.300.000
02490	Pig Urine	Beta-agonists	FCVD17-MRP33	25 ml	❄	28/11/2022	16.400.000
02490b	Blank Pig Urine	blank	BLVD17-MRP59	25 ml	❄	28/11/2022	5.300.000
02491	Honey	nitroimidazoles & aminoglycosides (streptomycin & dihydrostreptomycin)	FCVD14-HON2	40 g	❄	05/12/2022	16.400.000
02491b	Blank Honey	blank	BLVD14-HON1	40 g	❄	05/12/2022	5.300.000
02492	Pig Urine	Natural Hormones and Thyrostats	FCVD33-MRP33	40 ml	❄	05/12/2022	16.400.000
02493	Fish Muscle	malachite green, leucomalachite green & total malachite green	FCVD11-SEA13	20 g	❄	09/01/2023	16.400.000
02493b	Blank Fish Muscle	blank	BLVD11-SEA2	20 g	❄	09/01/2023	5.300.000
02494	Fish Muscle	sulfonamides	FCVD20-SEA13	20 g	❄	09/01/2023	16.400.000
02494b	Blank Fish Muscle	blank	BLVD20-SEA2	20 g	❄	09/01/2023	5.300.000
02495	Honey	tetracyclines & macrolides	FCVD27-HON2	40 g	❄	17/01/2023	16.400.000
02495b	Blank Honey	blank	BLVD27-HON1	40 g	❄	17/01/2023	5.300.000
02496	Honey	nitrofuran metabolites	FCVD12-HON2	20 g	❄	17/01/2023	16.400.000
02496b	Blank Honey	blank	BLVD12-HON1	20 g	❄	17/01/2023	5.300.000

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
02497	Chicken Liver	quinolones & fluoroquinolones	FCVD15-MRP16	20 g	❄	06/02/2023	16.400.000
02497b	Blank Chicken Liver	blank	BLVD15-MRP54	20 g	❄	06/02/2023	5.300.000
02498	Rabbit Muscle	chloramphenicol, florfenicol, florfenicol-amine, thiamphenicol, total phenicols & total benzimidazoles	FCVD37-MRP37	40 g	❄	06/02/2023	16.400.000
02498b	Blank Rabbit Muscle	blank	BLPM1-MRP62	40 g	❄	06/02/2023	5.300.000
02499	Prawns	tetracyclines	FCVD22-SEA20	20 g	❄	20/02/2023	16.400.000
02499b	Blank Prawns	blank	BLVD22-SEA4	20 g	❄	20/02/2023	5.300.000
02500	Bovine Milk	sulfonamides & trimethoprim & macrolides	FCVD29-DRY4	40 ml	❄	20/02/2023	16.400.000
02500b	Blank Bovine Milk	blank	BLVD29-DRY20	40 ml	❄	20/02/2023	5.300.000
02501	Bovine Urine	glucocorticoids & thyrostats	FCVD36-MRP9	40 ml	❄	07/03/2023	16.400.000
02501b	Blank Bovine Urine	blank	BLVD32-MRP46	40 ml	❄	07/03/2023	5.300.000
02502	Bovine Serum	specified hormones	FCVD31-MRP52	40 ml	❄	07/03/2023	18.200.000
02502b	Blank Bovine Serum	blank	BLVD31-MRP53	40 ml	❄	07/03/2023	5.300.000

Potential Pesticide Residues

Multi Residue: 2, 4-D (free acid only), 2-phenylphenol (ortho-phenylphenol), 6-benzylaminopurine, abamectin (sum of avermectin B1a and B1b only), acephate, acetamiprid, acetochlor, aclonifen, acrinathrin, aldicarb, aldicarb-sulfone (aldoxycarb), aldicarb-sulfoxide, aldrin, allethrin, ametoctradin, amidosulfuron, atrazine, azinphos-ethyl, azinphos-methyl, azoxystrobin, benalaxyl, bendiocarb, benthiavalicarb-isopropyl, bifenthrin (sum of isomers), biphenyl, bitertanol, boscalid, bromophos-ethyl, bromopropylate, bromuconazole (sum of diastereoisomers), bupirimate, buprofezin, cadusafos, carbaryl, carbendazim, carbofuran, carbofuran (3-hydroxy), carboxin, chlorantraniliprole (rynaxypyr), chlordane (cis), chlordane (oxy), chlordane (trans), chlorfenapyr, chlorfenvinphos (sum of E and Z isomers), chloridazon, chlorobenzilate, chlorothalonil, chlorpropham, chlorpyrifos (ethyl), chlorpyrifos-methyl, chlorthal-dimethyl, clofentezine, clothianidin, coumaphos, cyazofamid, cyflufenamid, cyfluthrin (sum of constituent isomers), cyhalothrin-lambda (includes cyhalothrin-gamma) (sum of R, S and S, R isomers), cymoxanil, cypermethrin (sum of constituent isomers), cyproconazole, cyprodinil, cyromazine, DDD-pp (TDE), DDE-pp, DDT-op, DDT-pp, deltamethrin, demeton-S-methyl, demeton-S-methyl-sulfone, demeton-S-methyl-sulfoxide (oxydemeton-methyl), diafenthiuron, diazinon, dichlorvos, dicloran, dicofol (sum of p, p' and o, p' isomers), dicrotophos, dieldrin, diethofencarb, difenoconazole, diflubenzuron, dimethoate, dimethomorph (sum of isomers), dimoxystrobin, diniconazole, dinotefuran, diphenylamine, disulfoton, disulfoton-sulfone, disulfoton-sulfoxide, diuron, dodine, Emamectin (as emamectin benzoate B1a, expressed as emamectin), endosulfan I (alpha), endosulfan II (beta), endosulfan-sulfate, endrin, EPN, epoxiconazole, ethiofencarb, ethiofencarb-sulfone, ethiofencarb-sulfoxide, ethion, ethirimol, ethoprophos, etofenprox, etoxazole, etrimfos, famoxadone, fenamidone, fenamiphos, fenamiphos-sulfone, fenamiphos-sulfoxide, fenarimol, fenazaquin, fenbuconazole, fenbutatin oxide, fenhexamid, fenitrothion, fenoxycarb, fenpropathrin, fenpropidin (sum of fenpropidin and its salts, expressed as fenpropidin), fenpropimorph (sum of isomers), fenpyroximate, fensulfothion, fensulfothion-oxon, fensulfothion-oxon-sulfone, fensulfothion-sulfone, fenthion (parent compound only), fenthion-sulfone, fenthion-sulfoxide, fenvalerate (sum of constituent isomers in any ratio including esfenvalerate), fipronil (parent compound only), fipronil-desulfinyl, fipronil-sulfone, flonicamid, fluazifop (free acid), fluazinam, flubendiamide, flucythrinate, fludioxonil, flufenacet (parent compound only), flufenoxuron, fluopicolide, fluopyram, Fluoxastrobin (sum of fluoxastrobin and its Z-isomer), fluquinconazole, flusilazole, flutolanil, flutriafol, fluvalinate (tau), fluxapyroxad, fonofos, fosthiazate, furathiocarb, haloxyfop (free acid), HCB (hexachlorobenzene), HCH-A (alpha hexachlorocyclohexane), HCH-B (beta hexachlorocyclohexane), HCH-G (gamma hexachlorocyclohexane / lindane), heptachlor, heptachlor-epoxide (cis), heptachlor-epoxide (trans), heptenophos, hexaconazole, hexythiazox, imazalil, imidacloprid, indoxacarb (sum of indoxacarb and its R enantiomer), iprodione, iprovalicarb, isocarbofos, isofenphos (ethyl), isofenphos-methyl, isoprocarb, isoprothiolane, isoproturon, kresoxim-methyl, lenacil, linuron, lufenuron, malaoxon, malathion, mandipropamid, mecarbam, mepanipyrim, metaflumizone (sum of E and Z isomers), metalaxyl (sum of constituent isomers including metalaxyl-M), metamitron, metconazole, methacrifos, methamidophos, methidathion, methiocarb, methiocarb-sulfone, methiocarb-sulfoxide, methomyl, methoxychlor, methoxyfenozide, metolachlor (sum of constituent isomers including S-metolachlor), metrafenone, metribuzin, mevinphos (sum of E and Z isomers), molinate, monocrotophos, monolinuron, myclobutanil, nitrofen, novaluron, omethoate, oxadiazon, oxadixyl, oxamyl, oxyfluorfen, paclobutrazol, parathion (-ethyl), parathion-methyl, penconazole, pencycuron, pendimethalin, penflufen, pentachloroaniline, penthiopyrad, permethrin (sum of isomers), phenthoate, phorate, phorate-sulfone, phorate-sulfoxide, phosalone, phosmet, phosphamidon, phoxim, phthalimide, picoxystrobin, piperonyl butoxide, pirimicarb, pirimicarb (desmethyl), pirimiphos-ethyl, pirimiphos-methyl, prochloraz (parent compound only), procymidone, profenofos, promecarb, prometryn, propamocarb, propargite, propetamphos, propiconazole, propoxur, propyzamide, proquinazid, prosulfocarb, prothioconazole-desthio (sum of isomers), prothiofos, pymetrozine, pyraclostrobin, pyrazophos, pyrethrin (sum), pyridaben, pyridalyl, pyridaphenthion, pyrimethanil, pyriproxyfen, quassia, quinalphos, quinoxyfen, quintozene, spinetoram, spinosad (sum of spinosyn A and D), spirodiclofen, spiromesifen, spirotetramat (parent compound only), spirotetramat-enol (expressed as spirotetramat), spiroxamine, tebuconazole, tebufenozide, tebufenpyrad, tecnazene, teflubenzuron, tefluthrin, terbufos, terbufos-sulfone, terbufos-sulfoxide, terbuthylazine, tetrachlorvinphos, tetraconazole, tetradifon, tetramethrin (sum of constituent isomers), TFNA, TFNG, thiabendazole, thiacloprid, thiamethoxam, thiodicarb, thiophanate-methyl, THPI, tolclofos-methyl, tolfenpyrad, tolylfluanid, triadimefon, triadimenol, triallate, triazophos, tricyclazole, trifloxystrobin, triflumuron, trifluralin, triticonazole, vinclozolin, zoxamide.

Multi Residue Honey Matrix: acetamiprid, amitraz (parent compound only), clothianidin, coumaphos, dinotefuran, DMF (N-2, 4-dimethylformamide), DMPF (N-2, 4-dimethylphenylformamide), fluvalinate (tau), imidacloprid, methamidophos, nitenpyram, thiacloprid, thiamethoxam.

Multi Residue Tea Matrix: 2-phenylphenol (ortho-phenylphenol), abamectin (sum of avermectin B1a and B1b only), acetamiprid, anthraquinone, bifenthrin (sum of isomers), boscalid, buprofezin, carbaryl, carbendazim, chlorfenapyr, chlorfenvinphos (sum of E and Z isomers), chlorothalonil, chlorpyrifos (ethyl), cyhalothrin-lambda (includes cyhalothrin-gamma) (sum of R, S and S, R isomers), cypermethrin (sum of constituent isomers), DDD-pp (TDE), DDE-pp, DDT-op, DDT-pp, deltamethrin, diazinon, dicofol (sum of p, p' and o, p' isomers), dimethoate, dinotefuran, diuron, endosulfan I (alpha), endosulfan II (beta), endosulfan-sulfate, ethion, fenazaquin, fenitrothion, fenpropathrin, fenpropimorph (sum of isomers), fenvalerate (sum of constituent isomers in any ratio including esfenvalerate), fipronil-sulfone, flubendiamide, HCB (hexachlorobenzene), HCH-A (alpha hexachlorocyclohexane), HCH-B (beta hexachlorocyclohexane), HCH-G (gamma hexachlorocyclohexane / lindane), imidacloprid, linuron, malathion, methomyl, monocrotophos, oxadixyl, permethrin (sum of isomers), phenthoate, phosalone, picoxystrobin, pirimiphos-methyl, procymidone, propargite, propiconazole, pyridaben, pyrimethanil, quinalphos, tebuconazole, terbuthylazine, tolfenpyrad, triazophos, trifloxystrobin

EU Red List: aldrin: cadusafos, chlorpropham, demeton-S-methyl, demeton-S-methyl-sulfone, demeton-S-methyl-sulfoxide (oxydemeton-methyl), dieldrin, dimethoate, diphenylamine, disulfoton, disulfoton-sulfone, disulfoton-sulfoxide, endrin, ethoprophos, fensulfothion, fensulfothion-oxon, fensulfothion-oxon-sulfone, fensulfothion-sulfone, fentin (as triphenyltin cation), fipronil (parent compound only), fipronil-desulfinyl, fipronil-sulfone, haloxyfop (free acid), HCB (hexachlorobenzene), heptachlor, heptachlor-epoxide (cis), heptachlor-epoxide (trans), nitrofen, omethoate, terbufos, terbufos-sulfone, terbufos-sulfoxide.

Specified Residues: acetamiprid, aldrin, azoxystrobin, bifenthrin (sum of isomers), chlorpyrifos (ethyl), chlorpyrifos-methyl, cypermethrin (sum of constituent isomers), DDE-pp, deltamethrin, dichlorvos, dieldrin, dimethoate, endosulfan I (alpha), endosulfan II (beta), endosulfan-sulfate, endrin, ethion, fenpropathrin, fenthion-sulfone, HCH-A (alpha hexachlorocyclohexane), HCH-B (beta hexachlorocyclohexane), HCH-G (gamma hexachlorocyclohexane / lindane), malathion, parathion-methyl, permethrin (sum of isomers), triazophos

Recommended Monitoring: abamectin (sum of avermectin B1a and B1b only), amitraz (parent compound only), bifenthrin (sum of isomers), cypermethrin (sum of constituent isomers), diazinon, dichlorvos, DMF (N-2, 4-dimethylformamide), DMPF (N-2, 4-dimethylphenylformamide), etoxazole, fipronil (parent compound only), fipronil-desulfinyl, fipronil-sulfone, flufenoxuron, pyridaben, pyriproxyfen, thiamethoxam

Single Residue Monitoriing: 2, 4-DB, chlormequat (sum of chlormequat and its salts; expressed as chlormequat chloride), ethephon, ETU, fenbutatin oxide, fosetyl aluminium, glyphosate, haloxyfop (free acid), maleic hydrazide, mepiquat (sum of mepiquat and its salts; expressed as mepiquat chloride), MPPA, phosphonic acid, PTU, quizalofop (free acid)

Fat Soluble: abamectin (sum of avermectin B1a and B1b only), acephate, aldicarb, aldicarb-sulfone (aldoxycarb), aldicarb-sulfoxide, aldrin, allethrin, azamethiphos, azinphos-ethyl, azinphos-methyl, bendiocarb, bifenthrin (sum of isomers), bixafen, boscalid, bromophos-ethyl, cadusafos, carbaryl, carbendazim, carbofuran, carbofuran (3-hydroxy), chlordane (cis), chlordane (oxy), chlordane (trans), chlorfenvinphos (sum of E and Z isomers), chlorobenzilate, chlorpropham, chlorpyrifos (ethyl), chlorpyrifos-methyl, coumaphos, cyfluthrin (sum of constituent isomers), "cyhalothrin-lambda (includes cyhalothrin-gamma) (sum of R, S and S, R isomers)", cypermethrin (sum of constituent isomers), cyproconazole, cyromazine, DDD-pp (TDE), DDE-pp, DDT-op, DDT-pp, deltamethrin, diazinon, dieldrin, diflubenzuron, dimethoate, endosulfan I (alpha), endosulfan II (beta), endosulfan-sulfate, endrin, epoxiconazole, ethoprophos, etofenprox, etoxazole, famoxadone, fenitrothion, fenoxycarb, fenpropathrin, fenpropidin (sum of fenpropidin and its salts, expressed as fenpropidin), fenpropimorph (sum of isomers), fenthion (parent compound only), fenthion-sulfone, fenthion-sulfoxide, fenvalerate (sum of constituent isomers in any ratio including esfenvalerate), fipronil (parent compound only), fipronil-desulfinyl, fipronil-sulfone, fluazifop (free acid), flufenoxuron, flumethrin, fluquinconazole, flusilazole, fluvalinate (tau), haloxyfop (free acid), HCB (hexachlorobenzene), HCH-A (alpha hexachlorocyclohexane), HCH-B (beta hexachlorocyclohexane), HCH-D (delta hexachlorocyclohexane), HCH-G (gamma hexachlorocyclohexane / lindane), heptachlor, heptachlor-epoxide (cis), heptachlor-epoxide (trans), indoxacarb (sum of indoxacarb and its R enantiomer), lufenuron, malathion, metaflumizone (sum of E and Z isomers), metazachlor, methacrifos, methamidophos, methidathion, methiocarb, methiocarb-sulfone, methiocarb-sulfoxide, methomyl, methoxychlor, nitrofen, omethoate, oxamyl, parathion (-ethyl), parathion-methyl, PCB 101, PCB 118, PCB 138, PCB 153, PCB 180, PCB 28, PCB 52, pendimethalin, permethrin (sum of isomers), phosmet, phoxim, pirimicarb, pirimicarb (desmethyl), pirimiphos-methyl, prochloraz (parent compound only), profenofos, propetamphos, propoxur, prothioconazole-desthio (sum of isomers), pyrazophos, pyridaben, pyriproxyfen, quintozene, spinosad (sum of spinosyn A and D), tebuconazole, tecnazene, teflubenzuron, tefluthrin, tetrachlorvinphos, tetraconazole, thiacloprid, thiamethoxam, thiodicarb, triazophos, trifluralin, vinclozolin

Quaternary Ammonium Compounds (QACs): BAC 10 (Benzyldimethyldecylammonium Chloride), BAC 12 (Benzyldimethyldodecylammonium Chloride), BAC 14 (Benzyldimethyltetradecylammonium Chloride), BAC 16 (Benzyldimethylhexadecylammonium Chloride), DDAC (Didecyldimethylammonium Chloride)

Disinfectant By Products: BAC 10 (Benzyldimethyldecylammonium Chloride), BAC 12 (Benzyldimethyldodecylammonium Chloride), BAC 14 (Benzyldimethyltetradecylammonium Chloride), BAC 16 (Benzyldimethylhexadecylammonium Chloride), chlorate, DDAC (Didecyldimethylammonium Chloride), perchlorate

Potential Fish Species

Fish Speciation
Gadus macrocephalus (Tilesius 1810), *Gadus morhua* (Linnaeus 1758), *Hippoglossus hippoglossus* (Linnaeus 1758*), Limanda limanda* (Linnaeus 1758), *Melanogrammus aeglefinus* (Linnaeus 1758), *Merlangius merlangus* (Linnaeus 1758), *Merluccius merluccius* (Linnaeus 1758), *Pangasius hypophthalmus* (Sauvage 1878), *Pleuronectes platessa* (Linnaeus 1758), Pollachius virens (Linnaeus 1758), *Gadus chalcogrammus* (Pallas 1814) (previously *Theragra chalcogramma*)

Potential Pyrrolizidine Alkaloids

Pyrrolizidine Alkaloids: Echimidine (Em), Echimidine-N-oxide (Em-ox), Erucifoline (Er), Erucifoline-N-oxide (Er-ox), Europine (Eu), Europine-N-oxide (Eu-ox), Heliotrine (Ht), Heliotrine-N-oxide (Ht-ox), Intermedine (Im), Intermedine-N-oxide (Im-ox), Jacobine (Jb), Jacobine-N-oxide (Jb-ox), Lasiocarpine (Lc), Lasiocarpine-N-oxide (Lc-ox), Lycopsamine (Ly), Lycopsamine-N-oxide (Ly-ox), Monocrotaline (Mc), Monocrotaline-N-oxide (Mc-ox), Retrorsine (Rt), Retrorsine-N-oxide (Rt-ox), Senecionine (Sn),Senecionine N-Oxide (SN-ox), Seneciphylline (Sp), Seneciphylline-N-oxide (Sp-ox), Senecivernine (Sv), Senecivernine-N-oxide (Sv-ox), Senkirkine (Sk), Trichodesmine (Td)

Potential Veterinary Drug Residues

Aminoglycosides: apramycin, dihydrostreptomycin, gentamicin, kanamycin, neomycin, paromomycin, spectinomycin, streptomycin, total aminoglycosides

Anthelmintics: 5-hydroxythiabendazole, albendazole, albendazole-2-amino-sulfone, albendazole-sulfone, albendazole-sulfoxide, aminoflubendazole, aminomebendazole (mebendazole amine), amino- oxibendazole, cambendazole, clorsulon, closantel, coumaphos, derquantel, febantel, fenbendazole, flubendazole, hydroxyflubendazole, hydroxymebendazole, ketotriclabendazole, levamisole, mebendazole, monepantel, monepantel-sulfone, morantel, niclosamide, nitroxinil (nitroxynil), oxfendazole, oxfendazole-sulfone, oxibendazole, oxyclozanide, rafoxanide, thiabendazole, total albendazole-sulfone, total benzimidazoles, total flubendazole, total mebendazole, total oxfendazole-sulfone (sum of extractable residues which may be oxidized to oxfendazole sulfone), total thiabendazole, total triclabendazole, triclabendazole, triclabendazole-sulfone, triclabendazole-sulfoxide

Avermectins: abamectin (avermectin B1a only), doramectin, emamectin, eprinomectin, ivermectin, moxidectin, total avermectins

β-Agonists: ractopamine, ritodrine, salbutamol, salmeterol, terbutaline, total β-agonists, tulobuterol, zilpaterol

β-Lactams: amoxicillin, ampicillin, benzyl penicillin (penicillin G), cefalexin, cefalonium, cefapirin, cefazolin, cefoperazone, cefquinome, cloxacillin, desacetylcefapirin, dicloxacillin, nafcillin, oxacillin, penicillin V

Coccidiostats: amprolium, clopidol, decoquinate, diclazuril, DNC (nicarbazin component), halofuginone, lasalocid, maduramycin, monensin, narasin, robenidine, salinomycin, semduramycin, toltrazuril-sulfone, total coccidiostats

Gestagens: altrenogest, chlormadinone, medroxyprogesterone, megestrol, melengestrol, total gestagens

Glucocorticoids: betamethasone, dexamethasone, prednisolone, total glucocorticoids

Illegal Dyes (As Vet Drugs): brilliant green, crystal violet, leucocrystal violet, leucomalachite green, malachite green, total crystal violet, total malachite green, total veterinary dyes

Nitrofuran Metabolites: AHD (bound), AHD (total), AMOZ (bound), AMOZ (total), AOZ (bound), AOZ (total), SEM (bound), SEM (total), total nitrofuran metabolites

Nitroimidazoles: 2-hydroxy dimetridazole (HMMNI), 2-hydroxy ipronidazole, 2-hydroxy metronidazole, dimetridazole, ipronidazole, metronidazole, ronidazole, total nitroimidazoles

Macrolides: 3-O-acetyltylosin, erythromycin, gamithromycin, josamycin, lincomycin, oleandamycin, pirlimycin, rifampicin, spiramycin, tildipirosin, tilmicosin, total macrolides, total tylosin, tulathromycin, tylosin A, tylosin B, tylvalosin (aivlosin), virginiamycin

Natural Hormones: 17alpha-19-nortestosterone, 17alpha-Oestradiol (estradiol), 17beta-oestradiol (estradiol), 17beta-testosterone, beta-boldenone, boldenone, methyltestosterone, total natural hormones

Non-Specific Anti-Inflammatory Drugs: 5-hydroxyflunixin, carprofen, diclofenac, flunixin, ibuprofen, ketoprofen, meloxicam, naproxen, niflumic acid, oxyphenylbutazone, phenylbutazone, tolfenamic acid, total NSAIDs, vedaprofen

Phenicols: chloramphenicol, florfenicol, florfenicol-amine, thiamphenicol

Quinolones: ciprofloxacin, danofloxacin, difloxacin, enrofloxacin, flumequine, marbofloxacin, nalidixic acid, norfloxacin, ofloxacin, oxolinic acid, sarafloxacin, total quinolones

Sulphonamides: dapsone, sulfachloropyridazine, sulfadiazine, sulfadimethoxine, sulfadimidine (sulfamethazine), sulfadoxine, sulfaguanidine, sulfamerazine, sulfamethizole, sulfamethoxazole, sulfamethoxypyridazine, sulfamonomethoxine, sulfamoxole, sulfanilamide, sulfapyridine, sulfaquinoxaline, sulfathiazole, sulfisoxazole, total sulfonamides

Synthetic Hormones: 16beta-hydroxystanozolol, alpha-Boldenone, alpha-Nortestosterone, alpha-trenbolone, beta-trenbolone, cis-diethylstilbestrol (DES), dienestrol, ethinylestradiol, hexoestrol, methylboldenone, methyltestosterone, stanozolol, taleranol (beta-zearalanol), total diethylstilbestrol (DES), total synthetic hormones, trans-diethylstilbestrol (DES), zearalenone (ZON), zeranol (alpha-zearalanol

Tetracyclines: 4-epi-chlortetracycline, 4-epi-oxytetracycline, 4-epi-tetracycline, chlortetracycline, doxycycline, oxytetracycline, tetracycline, total chlortetracycline (parent + epimer), total oxytetracycline (parent + epimer), total tetracycline (parent + epimer), total tetracyclines (all

Thyrostats: 6-methyl-2-thiouracil (methylthiouracil), dimethylthiouracil, ethylthiouracil, mercaptobenzimidazole, methimazole (tapazole), phenylthiouracil, propylthiouracil, thiouracil, total thyrostats

Tranquilisers: acepromazine, azaperol, azaperone, carazolol, chlorpromazine, haloperidol, propionylpromazine, total tranquilizers, xylazine

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FOOD AND BEVERAGE MICROBIOLOGY

Proficiency Test List - VND

Jan 2022 - Mar 2023

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FOOD AND BEVERAGE MICROBIOLOGY PROFICIENCY TESTS

Foods which exceed specifications for total bacterial and fungal load, or which are contaminated with a pathogen, pose a risk to both public health and brand reputation. Modern food processing often involves complicated global supply chains and ample opportunity for foods to be contaminated in their journey to our tables. Even in a carefully controlled environment contamination can occur, and laboratory analysis is a key safety measure to ensure the process and controls are working as they should.

Our Food Microbiology has a flexible programme of 11 distributions a year, with varying levels of target organisms and background flora, providing a more realistic challenge than some proficiency programmes.

Quantity discounts (for materials purchased in a single order)

Quantity Purchased	Discount Applied
11 - 25 tests	10%
26 or more	25%

Note: The information in this price list is designed to assist you in choosing proficiency tests to meet your needs. Whilst every care has been taken in producing this information, we do not guarantee its accuracy. The Fapas® website is the definitive source of information about our proficiency tests. Orders are subject to the Fapas® terms and conditions, which are available on our website. Please check the website before placing your order.

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INDICATOR ORGANISMS

Beef

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
M271e10	Beef	*Escherichia coli* (Enumeration)	FMOE10-MRP2	equivalent to 10 g	❄	07/02/2022	10.200.000
M271e14	Beef	Coagulase Positive Staphylococci (Enumeration)	FMOE14-MRP2	equivalent to 10 g	❄	07/02/2022	10.200.000
M272e13	Beef	*Bacillus cereus* and Aerobic Plate Count (Enumeration)	FMOE13-MRP2	equivalent to 10 g	❄	28/02/2022	10.200.000
M273e05	Beef	Enterobacteriaceae and Aerobic Plate Count (Enumeration)	FMOE5-MRP2	equivalent to 10 g	❄	28/03/2022	10.200.000
M273e06	Beef	*Clostridium* spp., Sulphite Reducing Clostridia, *Clostridium perfringens* (Enumeration)	FMOE6-MRP2	equivalent to 10 g	❄	28/03/2022	10.200.000
M274e10	Beef	*Escherichia coli* (Enumeration by MPN)	FMOE10m-MRP2	equivalent to 10 g	❄	09/05/2022	10.400.000
M274e19	Beef	Enterococci (Enumeration)	FMOE19-MRP2	equivalent to 10 g	❄	09/05/2022	10.400.000
M275e05	Beef	Enterobacteriaceae and Aerobic Plate Count (Enumeration)	FMOE5-MRP2	equivalent to 10 g	❄	30/05/2022	10.400.000

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
M275e10	Beef	*Escherichia coli* (Enumeration)	FMOE10-MRP2	equivalent to 10 g	❄	30/05/2022	10.400.000
M275e15	Beef	Yeasts and Moulds (Enumeration)	FMOE15-MRP2	equivalent to 10 g	❄	30/05/2022	10.400.000
M275e18	Beef	Coliforms (Enumeration)	FMOE18-MRP2	equivalent to 10 g	❄	30/05/2022	10.400.000
M276e14	Beef	Coagulase Positive Staphylococci (Enumeration)	FMOE14-MRP2	equivalent to 10 g	❄	27/06/2022	10.400.000
M278e01	Beef	Lactic Acid Bacteria (Enumeration)	FMOE1-MRP2	equivalent to 10 g	❄	12/09/2022	10.400.000
M278e06	Beef	*Clostridium* spp., Sulphite Reducing Clostridia, *Clostridium perfringens* (Enumeration)	FMOE6-MRP2	equivalent to 10 g	❄	12/09/2022	10.400.000
M281e04	Beef	Enterobacteriaceae, Coliforms and *Escherichia coli* (Enumeration)	FMOE4-MRP2	equivalent to 10 g	❄	21/11/2022	10.400.000
M282e10	Beef	*Escherichia coli* (Enumeration)	FMOE10-MRP2	equivalent to 10 g	❄	30/01/2023	10.400.000
M282e14	Beef	Coagulase Positive Staphylococci (Enumeration)	FMOE14-MRP2	equivalent to 10 g	❄	30/01/2023	10.400.000
M283e13	Beef	*Bacillus cereus* and Aerobic Plate Count (Enumeration)	FMOE13-MRP2	equivalent to 10 g	❄	27/02/2023	10.400.000
M284e06	Beef	*Clostridium* spp., Sulphite Reducing Clostridia, *Clostridium perfringens* (Enumeration)	FMOE6-MRP2	equivalent to 10 g	❄	27/03/2023	10.400.000

Bottled Water

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
M284e28	Water (Bottled)	Total Coliforms, *Escherichia coli*, *Clostridium perfringens*, Enterococci, *Pseudomonas aeruginosa*, Colony Counts (22ºC/3 days) and Colony Counts (37ºC/2 day). (All Enumeration)	FMOE29-DRN41	3 x lyophilised samples	❄	27/03/2023	10.400.000

Chicken

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
M281e09	Chicken	Aerobic Plate Count (Enumeration)	FMOE9-MRP14	equivalent to 10 g	❄	21/11/2022	10.400.000

Cooked Rice

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
M271e12	Cooked Rice	*Bacillus cereus* (Enumeration)	FMOE12-CCP22	equivalent to 10 g	❄	07/02/2022	10.200.000

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
M278e12	Cooked Rice	*Bacillus cereus* (Enumeration)	FMOE12-CCP22	equivalent to 10 g	❄	12/09/2022	10.400.000
M282e12	Cooked Rice	*Bacillus cereus* (Enumeration)	FMOE12-CCP22	equivalent to 10 g	❄	30/01/2023	10.400.000

Fish

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
M279e24	Fish	Aerobic Plate Count, Enterobacteriaceae, Coliforms and *Escherichia coli* (Enumeration)	FMOE24-SEA11	equivalent to 10 g	❄	10/10/2022	10.400.000

Flour

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
M272e15	Flour	Yeasts and Moulds (Enumeration)	FMOE15-CCP28	equivalent to 10 g	❄	28/02/2022	10.200.000
M281e15	Flour	Yeasts and Moulds (Enumeration)	FMOE15-CCP28	equivalent to 10 g	❄	21/11/2022	10.400.000
M283e15	Flour	Yeasts and Moulds (Enumeration)	FMOE15-CCP28	equivalent to 10 g	❄	27/02/2023	10.400.000

Fruit Juice

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
M272e22	Fruit Juice	Thermophilic Acidophilic Bacteria (TAB) (Enumeration) and Guaiacol Producing TAB (Detection)	FMOE20-DRN17	equivalent to 10 ml	❄	28/02/2022	10.200.000
M273e15	Fruit Juice	Moulds (Enumeration)	FMOE25-DRN17	equivalent to 10 ml	❄	28/03/2022	10.200.000
M278e23	Fruit Juice	Aerobic Plate Count and Lactic Acid Bacteria (Enumeration)	FMOE23-DRN17	equivalent to 10 ml	❄	12/09/2022	10.400.000
M279e15	Fruit Juice	Yeasts (Enumeration)	FMOE16-DRN17	equivalent to 10 ml	❄	10/10/2022	10.400.000
M283e22	Fruit Juice	Thermophilic Acidophilic Bacteria (TAB) (Enumeration) and Guaiacol Producing TAB (Detection)	FMOE20-DRN17	equivalent to 10 ml	❄	27/02/2023	10.400.000
M284e15	Fruit Juice	Moulds (Enumeration)	FMOE25-DRN17	equivalent to 10 ml	❄	27/03/2023	10.400.000

Infant Formula

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
M279e06	Infant Formula	*Clostridium* spp., Sulphite Reducing Clostridia, *Clostridium perfringens* (Enumeration)	FMOE6-INF10	equivalent to 10 g	❄	10/10/2022	10.400.000

Milk Powder

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
M271e06	Milk Powder	*Clostridium* spp., Sulphite Reducing Clostridia, *Clostridium perfringens* (Enumeration)	FMOE6-DRY14	equivalent to 10 g	❄	07/02/2022	10.200.000
M271e09	Milk Powder	Aerobic Plate Count (Enumeration)	FMOE9-DRY14	equivalent to 10 g	❄	07/02/2022	10.200.000
M272e18	Milk Powder	Coliforms (Enumeration)	FMOE18-DRY14	equivalent to 10 g	❄	28/02/2022	10.200.000
M273e09	Milk Powder	Aerobic Plate Count (Enumeration)	FMOE9-DRY14	equivalent to 10 g	❄	28/03/2022	10.200.000
M274e03	Milk Powder	Enterobacteriaceae (Enumeration)	FMOE3-DRY14	equivalent to 10 g	❄	09/05/2022	10.400.000
M274e13	Milk Powder	*Bacillus cereus* and Aerobic Plate Count (Enumeration)	FMOE13-DRY14	equivalent to 10 g	❄	09/05/2022	10.400.000
M274e14	Milk Powder	Coagulase Positive Staphylococci (Enumeration)	FMOE14-DRY14	equivalent to 10 g	❄	09/05/2022	10.400.000
M275e06	Milk Powder	*Clostridium* spp., Sulphite Reducing Clostridia, *Clostridium perfringens* (Enumeration)	FMOE6-DRY14	equivalent to 10 g	❄	30/05/2022	10.400.000
M279e10	Milk Powder	*Escherichia coli* (Enumeration)	FMOE10-DRY14	equivalent to 10 g	❄	10/10/2022	10.400.000
M280e14	Milk Powder	Coagulase Positive Staphylococci (Enumeration)	FMOE14-DRY14	equivalent to 10 g	❄	31/10/2022	10.400.000
M280e24	Milk Powder	Aerobic Plate Count, Enterobacteriaceae, Coliforms and *Escherichia coli* (Enumeration)	FMOE24-DRY14	equivalent to 10 g	❄	31/10/2022	10.400.000
M282e06	Milk Powder	*Clostridium* spp., Sulphite Reducing Clostridia, *Clostridium perfringens* (Enumeration)	FMOE6-DRY14	equivalent to 10 g	❄	30/01/2023	10.400.000
M282e09	Milk Powder	Aerobic Plate Count (Enumeration)	FMOE9-DRY14	equivalent to 10 g	❄	30/01/2023	10.400.000
M283e18	Milk Powder	Coliforms (Enumeration)	FMOE18-DRY14	equivalent to 10 g	❄	27/02/2023	10.400.000
M284e09	Milk Powder	Aerobic Plate Count (Enumeration)	FMOE9-DRY14	equivalent to 10 g	❄	27/03/2023	10.400.000

Nuts

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
M282e15	Nuts	Moulds (Enumeration)	FMOE25-NUT30	equivalent to 10 g	❄	30/01/2023	10.400.000

Pet Food

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
M284e24	Pet Food	Aerobic Plate Count, Enterobacteriaceae, Coliforms and *Escherichia coli* (Enumeration)	FMOE24-PFO9	equivalent to 10 g	❄	27/03/2023	10.400.000

Ready To Eat (RTE) Meal

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
M276e24	Ready To Eat (RTE) Meal	Aerobic Plate Count, Enterobacteriaceae, Coliforms and *Escherichia coli* (Enumeration)	FMOE24-PRO40	equivalent to 10 g	❄	27/06/2022	10.400.000

Salad

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
M271e03	Salad	Enterobacteriaceae (Enumeration)	FMOE3-VEG61	equivalent to 10 g	❄	07/02/2022	10.200.000
M282e03	Salad	Enterobacteriaceae (Enumeration)	FMOE3-VEG61	equivalent to 10 g	❄	30/01/2023	10.400.000

Soft Drink

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
M283e25	Soft Drink	Aciduric Bacteria, Yeasts and Moulds (Enumeration)	FMOE28-DRN29	100 ml	❄	27/02/2023	10.400.000

Spice

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
M280e27	Spice	*Bacillus* spp. and Moulds (Enumeration)	FMOE27-SPI17	equivalent to 10 g	❄	31/10/2022	10.400.000

Swabs

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
M272e09	Swab (Cotton)	Aerobic Plate Count (Enumeration)	FMOE9-UNF12	1 swab	❄	28/02/2022	10.200.000
M283e09	Swab (Cotton)	Aerobic Plate Count (Enumeration)	FMOE9-UNF12	1 swab	❄	27/02/2023	10.400.000
M277e26	Swab (Sponge)	Aerobic Plate Count, Enterobacteriaceae, Coagulase Positive Staphylococci and *Escherichia coli* (Enumeration)	FMOE26-UNF11	1 swab	❄	25/07/2022	10.400.000

Water (bottled)

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
M284e28	Water (Bottled)	Total Coliforms, *Escherichia coli*, *Clostridium perfringens*, Enterococci, *Pseudomonas aeruginosa*, Colony Counts (22ºC/3 days) and Colony Counts (37ºC/2 day) (All Enumeration)	FMOE29-DRN41	3 x lyophilised samples	❄	27/03/2023	10.400.000

PATHOGENS

Animal Feed

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
M275d072	Animal Feed	*Salmonella* spp. (Detection)	FMOD7-AFE1	equivalent to 2 x 25 g	❄	30/05/2022	10.400.000

Bacterial DNA

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
SEQ0101	Bacterial DNA	MLST Type	FSOD01-UMI46	1 tube	❄	01/03/2023	14.400.000

Beef

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
M271d02	Beef	*Listeria monocytogenes*/ *Listeria* spp. (Detection)	FMOD2-MRP2	equivalent to 2 x 25 g	❄	07/02/2022	10.200.000
M275d11	Beef	*Escherichia coli* O157:H7 (Detection)	FMOD11-MRP2	equivalent to 2 x 25 g	❄	30/05/2022	10.400.000
M279d072	Beef	*Salmonella* spp. (Detection)	FMOD7-MRP2	equivalent to 2 x 25 g	❄	10/10/2022	10.400.000
M280d11	Beef	*Escherichia coli* O157:H7 (Detection)	FMOD11-MRP2	equivalent to 2 x 25 g	❄	31/10/2022	10.400.000
M282d02	Beef	*Listeria monocytogenes*/ *Listeria* spp. (Detection)	FMOD2-MRP2	equivalent to 2 x 25 g	❄	30/01/2023	10.400.000

Cheese

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
M278d11	Cheese	*Escherichia coli* O157:H7 (Detection)	FMOD11-DRY7	equivalent to 2 x 25 g	❄	12/09/2022	10.400.000

Chicken

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
M271d071	Chicken	*Salmonella* spp. (Detection)	FMOD7-MRP14	equivalent to 2 x 25 g	❄	07/02/2022	10.200.000
M273e02	Chicken	*Listeria monocytogenes* (Enumeration)	FMOE2-MRP14	equivalent to 10 g	❄	28/03/2022	10.200.000
M274d17	Chicken	*Campylobacter* spp. (Detection)	FMOD17-MRP14	equivalent to 2 x 25 g	❄	09/05/2022	10.400.000
M275d02	Chicken	*Listeria monocytogenes*/ *Listeria* spp. (Detection)	FMOD2-MRP14	equivalent to 2 x 25 g	❄	30/05/2022	10.400.000
M278d071	Chicken	*Salmonella* spp. (Detection)	FMOD7-MRP14	equivalent to 2 x 25 g	❄	12/09/2022	10.400.000
M279e02	Chicken	*Listeria monocytogenes* (Enumeration)	FMOE2-MRP14	equivalent to 10 g	❄	10/10/2022	10.400.000
M280d17	Chicken	*Campylobacter* spp. (Detection)	FMOD17-MRP14	equivalent to 2 x 25 g	❄	31/10/2022	10.400.000
M281d02	Chicken	*Listeria monocytogenes*/ *Listeria* spp. (Detection)	FMOD2-MRP14	equivalent to 2 x 25 g	❄	21/11/2022	10.400.000
M281e17	Chicken	*Campylobacter* spp. (Enumeration)	FMOE17-MRP14	equivalent to 10 g	❄	21/11/2022	10.400.000
M282d071	Chicken	*Salmonella* spp. (Detection)	FMOD7-MRP14	equivalent to 2 x 25 g	❄	30/01/2023	10.400.000
M284e02	Chicken	*Listeria monocytogenes* (Enumeration)	FMOE2-MRP14	equivalent to 10 g	❄	27/03/2023	10.400.000

Chocolate

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
M271d072	Chocolate	*Salmonella* spp. (Detection)	FMOD7-CON2	equivalent to 2 x 25 g	❄	07/02/2022	10.200.000
M282d072	Chocolate	*Salmonella* spp. (Detection)	FMOD7-CON2	equivalent to 2 x 25 g	❄	30/01/2023	10.400.000

Chocolate powder

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
M279d071	Chocolate Powder	*Salmonella* spp. (Detection)	FMOD7-CON3	equivalent to 2 x 25 g	❄	10/10/2022	10.400.000

Dried Egg

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
M273d071	Dried Egg	*Salmonella* spp. (Detection)	FMOD7-EGG3	equivalent to 2 x 25 g	❄	28/03/2022	10.200.000
M284d071	Dried Egg	*Salmonella* spp. (Detection)	FMOD7-EGG3	equivalent to 2 x 25 g	❄	27/03/2023	10.400.000

Dry Cured Meat

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
M276d02	Dry Cured Meat	*Listeria monocytogenes*/ *Listeria* spp. (Detection)	FMOD2-MRP47	equivalent to 2 x 25 g	❄	27/06/2022	10.400.000

Fish

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
M272d21	Fish	*Vibrio parahaemolyticus* (Detection)	FMOD21-SEA11	equivalent to 2 x 25 g	❄	28/02/2022	10.200.000
M279d21	Fish	*Vibrio parahaemolyticus* (Detection)	FMOD21-SEA11	equivalent to 2 x 25 g	❄	10/10/2022	10.400.000
M283d21	Fish	*Vibrio parahaemolyticus* (Detection)	FMOD21-SEA11	equivalent to 2 x 25 g	❄	27/02/2023	10.400.000

Flour

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
M279d11	Flour	*Escherichia coli* O157:H7 (Detection)	FMOD11-CCP28	equivalent to 2 x 25 g	❄	10/10/2022	10.400.000

Ground Pepper

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
M281d071	Ground Pepper	*Salmonella* spp. (Detection)	FMOD7-SPI11	equivalent to 2 x 25 g	❄	21/11/2022	10.400.000

Herbs

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
M276d072	Herbs	*Salmonella* spp. (Detection)	FMOD7-VEG47	equivalent to 2 x 25 g	❄	27/06/2022	10.400.000

Infant Formula

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
M272d20	Infant Formula	*Cronobacter sakazakii* (Detection)	FMOD20-INF10	equivalent to 2 x 10 g	❄	28/02/2022	10.200.000
M280d072	Infant Formula	*Salmonella* spp. (Detection)	FMOD7-INF10	equivalent to 2 x 25 g	❄	31/10/2022	10.400.000
M283d20	Infant Formula	*Cronobacter sakazakii* (Detection)	FMOD20-INF10	equivalent to 2 x 10 g	❄	27/02/2023	10.400.000

Milk Powder

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
M273d02	Milk Powder	*Listeria monocytogenes*/ *Listeria* spp. (Detection)	FMOD2-DRY14	equivalent to 2 x 25 g	❄	28/03/2022	10.200.000
M273d072	Milk Powder	*Salmonella* spp. (Detection)	FMOD7-DRY14	equivalent to 2 x 25 g	❄	28/03/2022	10.200.000
M276d17	Milk Powder	*Campylobacter* spp. (Detection)	FMOD17-DRY14	equivalent to 2 x 25 g	❄	27/06/2022	10.400.000
M278d072	Milk Powder	*Salmonella* spp. (Detection)	FMOD7-DRY14	equivalent to 2 x 25 g	❄	12/09/2022	10.400.000
M284d02	Milk Powder	*Listeria monocytogenes*/ *Listeria* spp. (Detection)	FMOD2-DRY14	equivalent to 2 x 25 g	❄	27/03/2023	10.400.000
M284d072	Milk Powder	*Salmonella* spp. (Detection)	FMOD7-DRY14	equivalent to 2 x 25 g	❄	27/03/2023	10.400.000

Mixed Vegetables

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
M278d02	Mixed Vegetables	*Listeria monocytogenes*/ *Listeria* spp. (Detection)	FMOD2-VEG88	equivalent to 2 x 25 g	❄	12/09/2022	10.400.000

Peanut (Ground)

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
M281d072	Peanut (Ground)	*Salmonella* spp. (Detection)	FMOD7-NUT12	equivalent to 2 x 25 g	❄	21/11/2022	10.400.000

Pet Food

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
M280d071	Pet Food	*Salmonella* spp. (Detection)	FMOD7-PFO9	equivalent to 2 x 25 g	❄	31/10/2022	10.400.000

Pork

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
M276d071	Pork	*Salmonella* spp. (Detection)	FMOD7-MRP35	equivalent to 2 x 25 g	❄	27/06/2022	10.400.000

Prawns

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
M283d072	Prawns	*Salmonella* spp. (Detection)	FMOD7-SEA20	equivalent to 2 x 25 g	❄	27/02/2023	10.400.000

Ready to Eat Meal

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
M280d02	Ready To Eat (RTE) Meal	*Listeria monocytogenes*/ *Listeria* spp. (Detection)	FMOD2-PRO40	equivalent to 2 x 25 g	❄	31/10/2022	10.400.000

Salad

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
M273d11	Salad	*Escherichia coli* O157:H7 (Detection)	FMOD11-VEG61	equivalent to 2 x 25 g	❄	28/03/2022	10.200.000
M275d071	Salad	*Salmonella* spp. (Detection)	FMOD7-VEG61	equivalent to 2 x 25 g	❄	30/05/2022	10.400.000
M284d11	Salad	*Escherichia coli* O157:H7 (Detection)	FMOD11-VEG61	equivalent to 2 x 25 g	❄	27/03/2023	10.400.000

Smoked Fish

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
M278e02	Smoked Fish	*Listeria monocytogenes* (Enumeration)	FMOE2-SEA28	equivalent to 10 g	❄	12/09/2022	10.400.000
M279d02	Smoked Fish	*Listeria monocytogenes*/ *Listeria* spp. (Detection)	FMOD2-SEA28	equivalent to 2 x 25 g	❄	10/10/2022	10.400.000

Soft Cheese

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
M274d02	Soft Cheese	*Listeria monocytogenes*/ *Listeria* spp. (Detection)	FMOD2-DRY18	equivalent to 2 x 25 g	❄	09/05/2022	10.400.000

Sprouting Seeds and Lettuce

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
M274d07	Sprouting Seeds and Lettuce	*Salmonella* spp. (Detection)	FMOD7-VEG71	equivalent to 2 x 25 g	❄	09/05/2022	10.400.000
M281d11	Sprouting Seeds and Lettuce	*Escherichia coli* O157:H7 (Detection)	FMOD11-VEG71	equivalent to 2 x 25 g	❄	21/11/2022	10.400.000

Swab (Sponge)

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
M272d02	Swab (Sponge)	*Listeria monocytogenes*/ *Listeria* spp. (Detection)	FMOD2-UNF11	2 x swabs	❄	28/02/2022	10.200.000
M272d07	Swab (Sponge)	*Salmonella* spp. (Detection)	FMOD7-UNF11	2 x swabs	❄	28/02/2022	10.200.000
M277d02	Swab (Sponge)	*Listeria monocytogenes*/ *Listeria* spp. (Detection)	FMOD2-UNF11	2 x swabs	❄	25/07/2022	10.400.000
M277d07	Swab (Sponge)	*Salmonella* spp. (Detection)	FMOD7-UNF11	2 x swabs	❄	25/07/2022	10.400.000
M277d11	Swab (Sponge)	*Escherichia coli* O157:H7 (Detection)	FMOD11-UNF11	2 x swabs	❄	25/07/2022	10.400.000
M283d02	Swab (Sponge)	*Listeria monocytogenes*/ *Listeria* spp. (Detection)	FMOD2-UNF11	2 x swabs	❄	27/02/2023	10.400.000
M283d071	Swab (Sponge)	*Salmonella* spp. (Detection)	FMOD7-UNF11	2 x swabs	❄	27/02/2023	10.400.000

SEQUENCING

Bacterial DNA

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
SEQ0101	Bacterial DNA	MLST Type	FSOD01-UMI46	1 tube	❄	01/03/2023	14.400.000

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GENETICALLY MODIFIED FOOD

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Original thinking... applied

GENETICALLY MODIFIED FOOD PROFICIENCY TESTS

Over 35 years after the first product trials, GM foods and crops remain a topic of much discussion, with some territories embracing the technology widely, some restricting the use and cultivation of GM crops and others continuing to ban their use in agriculture.
Currently there are 32 approved GM crop plants, from alfalfa to wheat, being used in the agriculture of 29 countries in 2019. This represents over 190 million hectares planted in the 29 producing countries, with a further 42 territories importing GM crops (ISAAA Brief 55 - 2019).

Note: The information in this price list is designed to assist you in choosing proficiency tests to meet your needs. Whilst every care has been taken in producing this information, we do not guarantee its accuracy. The Fapas® website is the definitive source of information about our proficiency tests. Orders are subject to the Fapas® terms and conditions, which are available on our website. Please check the website before placing your order.

Prices do not include taxes, import duties, inspection fees or carriage charges which are extra. Items indicated with ❄ are sent frozen/chilled and incur higher carriage charges.

ANIMAL FEED

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
GeMMP40	Animal Feed	Maize & Soya	FGM3-AFE1	5 g		18/03/2022	18.900.000
GeMMP42	Animal Feed	Maize & Soya	FGM3-AFE1	5 g		17/03/2023	19.300.000

BAKED PRODUCT

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
GeMMP41	Baked Product	Maize & Soya	FGM3-PRO1	5 g		09/06/2022	19.300.000

MAIZE FLOUR

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
GeMMU99	100% Maize Flour	Maize	FGM2-CCP2	5 g		07/04/2022	19.300.000
GeMMU102	100% Maize Flour	Maize	FGM2-CCP2	5 g		12/08/2022	19.300.000
GeMMU104	100% Maize Flour	Maize	FGM2-CCP2	5 g		09/12/2022	19.300.000

MIXED FLOURS

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
GeMMU98	Mixed Flours	Maize & Soya	FGM3-CCP35	5 g		11/02/2022	18.900.000
GeMMU101	Mixed Flours	Maize & Soya	FGM3-CCP35	5 g		01/07/2022	19.300.000
GeMMU106	Mixed Flours	Maize & Soya	FGM3-CCP35	5 g		10/02/2023	19.300.000

MIXED FLOURS & BAKED PRODUCT

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
GeMMC08	Mixed Flours & Baked Product	Maize & Soya	FGM3-CCP57	2 x 5 g		07/01/2022	24.600.000
GeMMC10	Mixed Flours & Baked Product	Maize & Soya	FGM3-CCP57	2 x 5 g		06/01/2023	25.200.000

MIXED FLOURS & PROCESSED MATRIX

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
GeMMC09	Mixed Flours & Processed Matrix	Soya	FGM5-CCP53	2 x 5 g		14/10/2022	25.200.000

SOYA FLOUR

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
GeMMU97	100% Soya Flour	Soya	FGM5-CCP3	5 g		14/01/2022	18.900.000
GeMMU100	100% Soya Flour	Soya	FGM5-CCP3	5 g		13/05/2022	19.300.000
GeMMU105	100% Soya Flour	Soya	FGM5-CCP3	5 g		13/01/2023	19.300.000

TOBACCO

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
GeMST09	Tobacco	p35S & tNOS	FGM4-TOB3	4 x 5 g		23/06/2022	19.300.000

WHEAT FLOUR

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
GeMMU103	Wheat Flour	Contamination test (maize, soya & rice)	FGM1-CCP49	3 x 5 g		04/11/2022	19.300.000

fapas®

WATER AND ENVIRONMENTAL CHEMISTRY

fera

Original thinking... applied

WATER AND ENVIRONMENTAL CHEMISTRY PROFICIENCY TESTS

Modern analytical techniques are allowing us to detect chemicals in water at ever decreasing concentrations, and this is changing our understanding of the pollutants that may be present in the environment, which can consequently be an issue for our drinking water. Regular monitoring of these diverse water types is required by governmental regulation to ensure the safety of the water we drink and the environment we live in.

Our extensive programme covers a wide range of water types including, drinking, waste, and surface waters, and is complemented by schemes for emergency chemical contamination, taste and odour chemical identification, and soil chemistry.

Quantity discounts (for materials purchased in a single order)

Quantity Purchased	Discount Applied
For product codes starting DWC	
11 - 25 tests	10%
26 or more	25%
For product codes starting WW	
21 - 34 tests	10%
35 - 44 tests	15%
45 or more tests	25%

Note: The information in this price list is designed to assist you in choosing proficiency tests to meet your needs. Whilst every care has been taken in producing this information, we do not guarantee its accuracy. The Fapas® website is the definitive source of information about our proficiency tests. Orders are subject to the Fapas® terms and conditions, which are available on our website. Please check the website before placing your order.

Prices do not include taxes, import duties, inspection fees or carriage charges which are extra. Items indicated with ❄ are sent frozen/chilled and incur higher carriage charges.
For typical analyte ranges please see pages 69 - 78.

DRINKING WATER

Acid Herbicides

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
DWC0913	Drinking Water	Acid Herbicides	FWAH1-DRW1	1 litre + spiking conc.		28/06/2022	14.300.000

BTEX (Benzene, Toluene, Ethylbenzene, Xylene +)

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
DWC1124	Drinking Water	BTEX	FWBT1-DRW1	1 litre + spiking conc.		15/02/2022	12.700.000
DWC1125	Drinking Water	BTEX	FWBT1-DRW1	1 litre + spiking conc.		26/04/2022	12.900.000
DWC1126	Drinking Water	BTEX	FWBT1-DRW1	1 litre + spiking conc.		28/06/2022	12.900.000
DWC1127	Drinking Water	BTEX	FWBT1-DRW1	1 litre + spiking conc.		04/10/2022	12.900.000
DWC1128	Drinking Water	BTEX	FWBT1-DRW1	1 litre + spiking conc.		14/02/2023	12.900.000

Chlorine

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
DWC1223	Drinking Water (Standard Concentrate)	Chlorine	FWCH1-DRW1	3 ml		15/03/2022	8.100.000
DWC1224	Drinking Water (Standard Concentrate)	Chlorine	FWCH1-DRW1	3 ml		17/05/2022	8.200.000
DWC1225	Drinking Water (Standard Concentrate)	Chlorine	FWCH1-DRW1	3 ml		05/07/2022	8.200.000
DWC1226	Drinking Water (Standard Concentrate)	Chlorine	FWCH1-DRW1	3 ml		08/11/2022	8.200.000
DWC1227	Drinking Water (Standard Concentrate)	Chlorine	FWCH1-DRW1	3 ml		14/03/2023	8.200.000

Contamination Incident (Emergency Scheme)

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
EMY44	Drinking Water	Contamination incident	FWEM1-DRW1	3 x 1 litre + 250 ml + blanks + 500 ml		05/05/2022	36.000.000
EMY45	Drinking Water	Contamination incident	FWEM1-DRW1	3 x 1 litre + 250 ml + blanks + 500 ml		29/09/2022	36.000.000

Fluorosurfactants (PFOS & PFOA)

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
DWC1906	Drinking Water (Standard Concentrate)	Fluorosurfactants (PFOS & PFOA)	FWFL1-DRW1	3 ml		15/02/2022	10.000.000
DWC1907	Drinking Water (Standard Concentrate)	Fluorosurfactants (PFOS & PFOA)	FWFL1-DRW1	3 ml		28/06/2022	10.200.000

Haloacetic Acids

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
DWC1711	Drinking Water (Ultra Pure Water)	Haloacetic Acids	FWHA1-DRW1	1 litre + spiking conc		24/05/2022	14.300.000

Hexavalent Chromium

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
DWC1816	Drinking Water (Standard Concentrate)	Hexavalent Chromium	FWHC1-DRW1	20 ml		15/03/2022	8.600.000
DWC1817	Drinking Water (Standard Concentrate)	Hexavalent Chromium	FWHC1-DRW1	20 ml		05/07/2022	8.800.000

Inorganic Disinfection By-products

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
DWC0523	Drinking Water (Standard Solution)	Inorganic Disinfection By-products	FWID1-DRW1	125 ml		15/03/2022	10.800.000
DWC0524	Drinking Water (Standard Solution)	Inorganic Disinfection By-products	FWID1-DRW1	125 ml		17/05/2022	11.000.000
DWC0525	Drinking Water (Standard Solution)	Inorganic Disinfection By-products	FWID1-DRW1	125 ml		05/07/2022	11.000.000
DWC0526	Drinking Water (Standard Solution)	Inorganic Disinfection By-products	FWID1-DRW1	125 ml		08/11/2022	11.000.000
DWC0527	Drinking Water (Standard Solution)	Inorganic Disinfection By-products	FWID1-DRW1	125 ml		14/03/2023	11.000.000

Major Inorganic Components

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
DWC0135	Drinking Water	Major Inorganic Components	FWIC1-DRW1	1 litre + spiking conc.		25/01/2022	8.700.000
DWC0136	Drinking Water	Major Inorganic Components	FWIC1-DRW1	1 litre + spiking conc.		15/03/2022	8.700.000
DWC0137	Drinking Water	Major Inorganic Components	FWIC1-DRW1	1 litre + spiking conc.		17/05/2022	8.800.000
DWC0138	Drinking Water	Major Inorganic Components	FWIC1-DRW1	1 litre + spiking conc.		05/07/2022	8.800.000
DWC0139	Drinking Water	Major Inorganic Components	FWIC1-DRW1	1 litre + spiking conc.		13/09/2022	8.800.000
DWC0140	Drinking Water	Major Inorganic Components	FWIC1-DRW1	1 litre + spiking conc.		08/11/2022	8.800.000
DWC0141	Drinking Water	Major Inorganic Components	FWIC1-DRW1	1 litre + spiking conc.		24/01/2023	8.800.000
DWC0142	Drinking Water	Major Inorganic Components	FWIC1-DRW1	1 litre + spiking conc.		14/03/2023	8.800.000

Note: If you purchase the major inorganic components sample and the corresponding routine component sample in the same round, (such as DWC0135 and DWC0235) you will receive only ONE litre of water and ONE spiking concentrate.

Non-Routine Metals

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
DWC0423	Drinking Water (Ultra Pure Water)	Non-Routine Metals	FWNM1-DRW1	1 x 60 ml 1 x 500 ml + spiking conc.		15/03/2022	13.800.000
DWC0424	Drinking Water (Ultra Pure Water)	Non-Routine Metals	FWNM1-DRW1	1 x 60 ml 1 x 500 ml + spiking conc.		17/05/2022	14.100.000
DWC0425	Drinking Water (Ultra Pure Water)	Non-Routine Metals	FWNM1-DRW1	1 x 60 ml 1 x 500 ml + spiking conc.		05/07/2022	14.100.000
DWC0426	Drinking Water (Ultra Pure Water)	Non-Routine Metals	FWNM1-DRW1	1 x 60 ml 1 x 500 ml + spiking conc.		08/11/2022	14.100.000
DWC0427	Drinking Water (Ultra Pure Water)	Non-Routine Metals	FWNM1-DRW1	1 x 60 ml 1 x 500 ml + spiking conc.		14/03/2023	14.100.000

OC Pesticides (Organo-Chlorine Pesticides)

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
DWC1024	Drinking Water	OC Pesticides	FWOC1-DRW1	1 litre + spiking conc.		15/02/2022	12.700.000
DWC1025	Drinking Water	OC Pesticides	FWOC1-DRW1	1 litre + spiking conc.		26/04/2022	12.900.000
DWC1026	Drinking Water	OC Pesticides	FWOC1-DRW1	1 litre + spiking conc.		28/06/2022	12.900.000
DWC1027	Drinking Water	OC Pesticides	FWOC1-DRW1	1 litre + spiking conc.		04/10/2022	12.900.000
DWC1028	Drinking Water	OC Pesticides	FWOC1-DRW1	1 litre + spiking conc.		14/02/2023	12.900.000

OP Pesticides (Organo-Phosphate Pesticides)

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
DWC0824	Drinking Water	OP Pesticides	FWOP1-DRW1	1 litre + spiking conc		22/02/2022	12.700.000
DWC0825	Drinking Water	OP Pesticides	FWOP1-DRW1	1 litre + spiking conc		24/05/2022	12.900.000
DWC0826	Drinking Water	OP Pesticides	FWOP1-DRW1	1 litre + spiking conc		02/08/2022	12.900.000
DWC0827	Drinking Water	OP Pesticides	FWOP1-DRW1	1 litre + spiking conc		01/11/2022	12.900.000
DWC0828	Drinking Water	OP Pesticides	FWOP1-DRW1	1 litre + spiking conc		21/02/2023	12.900.000

Perchlorate

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
DWC2006	Drinking Water (Standard Concentrate)	Perchlorate	FWPE1-DRW1	2ml		15/03/2022	8.400.000

PAHs (Polycyclic Aromatic Hydrocarbons)

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
DWC0724	Drinking Water	Polycyclic Aromatic Hydrocarbons	FWPC1-DRW1	1 litre + spiking conc		22/02/2022	12.700.000

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
DWC0725	Drinking Water	Polycyclic Aromatic Hydrocarbons	FWPC1-DRW1	1 litre + spiking conc		24/05/2022	12.900.000
DWC0726	Drinking Water	Polycyclic Aromatic Hydrocarbons	FWPC1-DRW1	1 litre + spiking conc		02/08/2022	12.900.000
DWC0727	Drinking Water	Polycyclic Aromatic Hydrocarbons	FWPC1-DRW1	1 litre + spiking conc		01/11/2022	12.900.000
DWC0728	Drinking Water	Polycyclic Aromatic Hydrocarbons	FWPC1-DRW1	1 litre + spiking conc		21/02/2023	12.900.000

Routine Components

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
DWC0235	Drinking Water	Routine Components	FWRC1-DRW1	1 litre + spiking conc.		25/01/2022	8.700.000
DWC0236	Drinking Water	Routine Components	FWRC1-DRW1	1 litre + spiking conc.		15/03/2022	8.700.000
DWC0237	Drinking Water	Routine Components	FWRC1-DRW1	1 litre + spiking conc.		17/05/2022	8.800.000
DWC0238	Drinking Water	Routine Components	FWRC1-DRW1	1 litre + spiking conc.		05/07/2022	8.800.000
DWC0239	Drinking Water	Routine Components	FWRC1-DRW1	1 litre + spiking conc.		13/09/2022	8.800.000
DWC0240	Drinking Water	Routine Components	FWRC1-DRW1	1 litre + spiking conc.		08/11/2022	8.800.000
DWC0241	Drinking Water	Routine Components	FWRC1-DRW1	1 litre + spiking conc.		24/01/2023	8.800.000
DWC0242	Drinking Water	Routine Components	FWRC1-DRW1	1 litre + spiking conc.		14/03/2023	8.800.000

See note on p58 for purchases of routine components and major inorganic components in the same round.

Routine Metals

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
DWC0335	Drinking Water	Routine Metals	FWRM1-DRW1	500 ml		25/01/2022	10.800.000
DWC0336	Drinking Water	Routine Metals	FWRM1-DRW1	500 ml		15/03/2022	10.800.000
DWC0337	Drinking Water	Routine Metals	FWRM1-DRW1	500 ml		17/05/2022	11.000.000
DWC0338	Drinking Water	Routine Metals	FWRM1-DRW1	500 ml		05/07/2022	11.000.000

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
DWC0339	Drinking Water	Routine Metals	FWRM1-DRW1	500 ml		13/09/2022	11.000.000
DWC0340	Drinking Water	Routine Metals	FWRM1-DRW1	500 ml		08/11/2022	11.000.000
DWC0341	Drinking Water	Routine Metals	FWRM1-DRW1	500 ml		24/01/2023	11.000.000
DWC0342	Drinking Water	Routine Metals	FWRM1-DRW1	500 ml		14/03/2023	11.000.000

Taste & Odour Chemical Identification (NOT for organoleptic testing)

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
TOCHEM11	Drinking Water	Taste & Odour Chemical Identification	FWTO1-DRW1	2 x 1 litre + blank		14/07/2022	28.500.000

Total Cyanide

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
DWC1623	Drinking Water (Standard Concentrate)	Total Cyanide	FWTC1-DRW1	3 ml		15/03/2022	8.100.000
DWC1624	Drinking Water (Standard Concentrate)	Total Cyanide	FWTC1-DRW1	3 ml		05/07/2022	8.200.000

Triazines and Urea Herbicides

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
DWC1512	Drinking Water	Triazines and Urea Herbicides	FWTU1-DRW1	1 litre + spiking conc.		15/02/2022	14.100.000
DWC1513	Drinking Water	Triazines and Urea Herbicides	FWTU1-DRW1	1 litre + spiking conc.		28/06/2022	14.300.000

Trihalomethanes / Chlorinated Solvents

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
DWC0624	Drinking Water (Ultra Pure Water)	Trihalomethanes / Chlorinated Solvents	FWTR1-DRW1	1 litre + spiking conc.		22/02/2022	12.700.000
DWC0625	Drinking Water (Ultra Pure Water)	Trihalomethanes / Chlorinated Solvents	FWTR1-DRW1	1 litre + spiking conc.		24/05/2022	12.900.000
DWC0626	Drinking Water (Ultra Pure Water)	Trihalomethanes / Chlorinated Solvents	FWTR1-DRW1	1 litre + spiking conc.		02/08/2022	12.900.000
DWC0627	Drinking Water (Ultra Pure Water)	Trihalomethanes / Chlorinated Solvents	FWTR1-DRW1	1 litre + spiking conc.		01/11/2022	12.900.000
DWC0628	Drinking Water (Ultra Pure Water)	Trihalomethanes / Chlorinated Solvents	FWTR1-DRW1	1 litre + spiking conc.		21/02/2023	12.900.000

Uranium

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
DWC2107	Drinking Water (Standard Solution)	Uranium	FWUR1-DRW1	60ml		05/07/2022	8.200.000

SOIL

Trace Metals 5

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
SL0109	Soil	Trace Metals 5	FWTM5-SOI1	6 g	No	06/10/2022	12.200.000

SURFACE WATER

Major Inorganic Compounds

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
SW0113	Surface Water	Major Inorganic Components	FWIC1-SUW1	1 litre + spiking conc.		01/02/2022	8.500.000
SW0114	Surface Water	Major Inorganic Components	FWIC1-SUW1	1 litre + spiking conc.		21/06/2022	8.700.000
SW0115	Surface Water	Major Inorganic Components	FWIC1-SUW1	1 litre + spiking conc.		31/01/2023	8.700.000

Note: If you purchase the major inorganic components sample and the corresponding routine component sample in the same round, (such as SW0113 and SW0213) you will receive only ONE litre of water and ONE spiking concentrate.

Metals

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
SW0313	Surface Water	Metals	FWME1-SUW1	500 ml + Standard Sol		01/02/2022	12.400.000
SW0314	Surface Water	Metals	FWME1-SUW1	500 ml + Standard Sol		21/06/2022	12.600.000
SW0315	Surface Water	Metals	FWME1-SUW1	500 ml + Standard Sol		31/01/2023	12.600.000

Routine Components

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
SW0213	Surface Water	Routine Components	FWRC1-SUW1	1 litre + spiking conc.		01/02/2022	8.500.000
SW0214	Surface Water	Routine Components	FWRC1-SUW1	1 litre + spiking conc.		21/06/2022	8.700.000
SW0215	Surface Water	Routine Components	FWRC1-SUW1	1 litre + spiking conc.		31/01/2023	8.700.000

See note on page 62 for purchases of routine components and major inorganic components in the same round.

Toxic Metals

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
SW0413	Surface Water	Toxic Metals	FWTX1-SUW1	500 ml + spiking conc		01/02/2022	13.600.000
SW0414	Surface Water	Toxic Metals	FWTX1-SUW1	500 ml + spiking conc		21/06/2022	13.800.000
SW0415	Surface Water	Toxic Metals	FWTX1-SUW1	500 ml + spiking conc		31/01/2023	13.800.000

WASTE WATER

Anions

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
WW0934	Waste Water (Standard Concentrate)	Anions	FWAN1-EWW1	20 ml		09/02/2022	7.400.000
WW0935	Waste Water (Standard Concentrate)	Anions	FWAN1-EWW1	20 ml		12/04/2022	7.500.000
WW0936	Waste Water (Standard Concentrate)	Anions	FWAN1-EWW1	20 ml		19/10/2022	7.500.000

Dissolved Oxygen

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
WW1434	Waste Water (Standard Concentrate)	Dissolved Oxygen	FWDO1-EWW1	2 ml		09/02/2022	8.300.000
WW1435	Waste Water (Standard Concentrate)	Dissolved Oxygen	FWDO1-EWW1	2 ml		12/04/2022	8.400.000

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
WW1436	Waste Water (Standard Concentrate)	Dissolved Oxygen	FWDO1-EWW1	2 ml		19/10/2022	8.400.000

Hexavalent Chromium

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
WW0734	Waste Water (Standard Concentrate)	Hexavalent Chromium	FWHC1-EWW1	20 ml		09/02/2022	7.600.000
WW0735	Waste Water (Standard Concentrate)	Hexavalent Chromium	FWHC1-EWW1	20 ml		12/04/2022	7.600.000
WW0736	Waste Water (Standard Concentrate)	Hexavalent Chromium	FWHC1-EWW1	20 ml		19/10/2022	7.600.000

Minerals

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
WW0834	Waste Water (Standard Concentrate)	Minerals	FWMI1-EWW1	2 x 20 ml		09/02/2022	7.300.000
WW0835	Waste Water (Standard Concentrate)	Minerals	FWMI1-EWW1	2 x 20 ml		14/06/2022	7.400.000
WW0836	Waste Water (Standard Concentrate)	Minerals	FWMI1-EWW1	2 x 20 ml		19/10/2022	7.400.000
WW0837	Waste Water (Standard Concentrate)	Minerals	FWMI1-EWW1	2 x 20 ml		08/02/2023	7.400.000

Nutrients

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
WW0334	Waste Water (Standard Concentrate)	Nutrients	FWNU1-EWW1	4 x 60 ml		09/02/2022	8.600.000
WW0335	Waste Water (Standard Concentrate)	Nutrients	FWNU1-EWW1	4 x 60 ml		12/04/2022	8.700.000
WW0336	Waste Water (Standard Concentrate)	Nutrients	FWNU1-EWW1	4 x 60 ml		14/06/2022	8.700.000
WW0337	Waste Water (Standard Concentrate)	Nutrients	FWNU1-EWW1	4 x 60 ml		09/08/2022	8.700.000

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
WW0338	Waste Water (Standard Concentrate)	Nutrients	FWNU1-EWW1	4 x 60 ml		19/10/2022	8.700.000
WW0339	Waste Water (Standard Concentrate)	Nutrients	FWNU1-EWW1	4 x 60 ml		08/02/2023	8.700.000

Oil & Grease

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
WW1034	Waste Water (Standard Concentrate)	Oil & Grease	FWOG1-EWW1	2 ml		09/02/2022	7.000.000
WW1035	Waste Water (Standard Concentrate)	Oil & Grease	FWOG1-EWW1	2 ml		14/06/2022	7.100.000
WW1036	Waste Water (Standard Concentrate)	Oil & Grease	FWOG1-EWW1	2 ml		19/10/2022	7.100.000
WW1037	Waste Water (Standard Concentrate)	Oil & Grease	FWOG1-EWW1	2 ml		08/02/2023	7.100.000

Oxygen Demand

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
WW0134	Waste Water (Standard Concentrate)	Oxygen Demand	FWDE1-EWW1	20 ml		09/02/2022	7.800.000
WW0135	Waste Water (Standard Concentrate)	Oxygen Demand	FWDE1-EWW1	20 ml		12/04/2022	7.900.000
WW0136	Waste Water (Standard Concentrate)	Oxygen Demand	FWDE1-EWW1	20 ml		14/06/2022	7.900.000
WW0137	Waste Water (Standard Concentrate)	Oxygen Demand	FWDE1-EWW1	20 ml		09/08/2022	7.900.000
WW0138	Waste Water (Standard Concentrate)	Oxygen Demand	FWDE1-EWW1	20 ml		19/10/2022	7.900.000
WW0139	Waste Water (Standard Concentrate)	Oxygen Demand	FWDE1-EWW1	20 ml		08/02/2023	7.900.000

pH & Electrical Conductivity

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
WW0434	Waste Water (Standard Solution)	pH & Electrical Conductivity	FWPH1-EWW1	2 x 125 ml		09/02/2022	8.000.000
WW0435	Waste Water (Standard Solution)	pH & Electrical Conductivity	FWPH1-EWW1	2 x 125 ml		12/04/2022	8.000.000
WW0436	Waste Water (Standard Solution)	pH & Electrical Conductivity	FWPH1-EWW1	2 x 125 ml		14/06/2022	8.000.000
WW0437	Waste Water (Standard Solution)	pH & Electrical Conductivity	FWPH1-EWW1	2 x 125 ml		09/08/2022	8.000.000
WW0438	Waste Water (Standard Solution)	pH & Electrical Conductivity	FWPH1-EWW1	2 x 125 ml		19/10/2022	8.000.000
WW0439	Waste Water (Standard Solution)	pH & Electrical Conductivity	FWPH1-EWW1	2 x 125 ml		08/02/2023	8.000.000

Phthalates (Environmental)

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
WW1609	Waste Water (Standard Concentrate)	Phthalates (Environmental)	FWPT1-EWW1	2ml		14/06/2022	8.800.000

Residues

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
WW0234	Waste Water (Standard Solution)	Residues	FWRE1-EWW1	500 ml		09/02/2022	8.300.000
WW0235	Waste Water (Standard Solution)	Residues	FWRE1-EWW1	500 ml		12/04/2022	8.400.000
WW0236	Waste Water (Standard Solution)	Residues	FWRE1-EWW1	500 ml		14/06/2022	8.400.000
WW0237	Waste Water (Standard Solution)	Residues	FWRE1-EWW1	500 ml		09/08/2022	8.400.000
WW0238	Waste Water (Standard Solution)	Residues	FWRE1-EWW1	500 ml		19/10/2022	8.400.000
WW0239	Waste Water (Standard Solution)	Residues	FWRE1-EWW1	500 ml		08/02/2023	8.400.000

Settleable Solids

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
WW1334	Waste Water (Requires Dilution)	Settleable Solids	FWSS1-EWW1	25 g		09/02/2022	8.600.000
WW1335	Waste Water (Requires Dilution)	Settleable Solids	FWSS1-EWW1	25 g		12/04/2022	8.700.000
WW1336	Waste Water (Requires Dilution)	Settleable Solids	FWSS1-EWW1	25 g		19/10/2022	8.700.000

Total Cyanide

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
WW1134	Waste Water (Standard Concentrate)	Total Cyanide	FWTC1-EWW1	2 ml		09/02/2022	7.800.000
WW1135	Waste Water (Standard Concentrate)	Total Cyanide	FWTC1-EWW1	2 ml		12/04/2022	7.900.000
WW1136	Waste Water (Standard Concentrate)	Total Cyanide	FWTC1-EWW1	2 ml		19/10/2022	7.900.000

Total Sulphide

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
WW1234	Waste Water (Standard Concentrate)	Total Sulphide	FWTS1-EWW1	20 ml		09/02/2022	8.600.000
WW1235	Waste Water (Standard Concentrate)	Total Sulphide	FWTS1-EWW1	20 ml		12/04/2022	8.700.000
WW1236	Waste Water (Standard Concentrate)	Total Sulphide	FWTS1-EWW1	20 ml		19/10/2022	8.700.000

Trace Metals 1

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
WW0534	Waste Water (Standard Concentrate)	Trace Metals 1	FWTM1-EWW1	20 ml		09/02/2022	9.200.000
WW0535	Waste Water (Standard Concentrate)	Trace Metals 1	FWTM1-EWW1	20 ml		12/04/2022	9.300.000

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
WW0536	Waste Water (Standard Concentrate)	Trace Metals 1	FWTM1-EWW1	20 ml		14/06/2022	9.300.000
WW0537	Waste Water (Standard Concentrate)	Trace Metals 1	FWTM1-EWW1	20 ml		09/08/2022	9.300.000
WW0538	Waste Water (Standard Concentrate)	Trace Metals 1	FWTM1-EWW1	20 ml		19/10/2022	9.300.000
WW0539	Waste Water (Standard Concentrate)	Trace Metals 1	FWTM1-EWW1	20 ml		08/02/2023	9.300.000

Trace Metals 2

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
WW0634	Waste Water (Standard Concentrate)	Trace Metals 2	FWTM2-EWW1	20 ml		09/02/2022	8.900.000
WW0635	Waste Water (Standard Concentrate)	Trace Metals 2	FWTM2-EWW1	20 ml		14/06/2022	9.100.000
WW0636	Waste Water (Standard Concentrate)	Trace Metals 2	FWTM2-EWW1	20 ml		19/10/2022	9.100.000
WW0637	Waste Water (Standard Concentrate)	Trace Metals 2	FWTM2-EWW1	20 ml		08/02/2023	9.100.000

VOCs (Volatile Organic Compounds)

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
WW1534	Waste Water (Standard Concentrate)	VOC	FWVO1-EWW1	2 ml	No	09/02/2022	8.700.000
WW1535	Waste Water (Standard Concentrate)	VOC	FWVO1-EWW1	2 ml	No	12/04/2022	8.800.000
WW1536	Waste Water (Standard Concentrate)	VOC	FWVO1-EWW1	2 ml	No	19/10/2022	8.800.000

WATER & ENVIRONMENTAL CHEMISTRY PROFICIENCY TESTS - APPROXIMATE CONCENTRATION RANGES

DRINKING WATER

Acid Herbicides (group 9)

Product Code	Matrix	Analytes	Approx. Range	Unit
FWAH1-DRW1	Drinking Water	MCPA	0.01 - 0.15	µg/l
		MCPB	0.01 - 0.15	µg/l
		2,4-D	0.01 - 0.15	µg/l
		dichlorprop	0.01 - 0.15	µg/l
		dicamba,	0.01 - 0.15	µg/l
		2,4-DB	0.01 - 0.15	µg/l
		bentazone	0.01 - 0.15	µg/l
		mecoprop	0.01 - 0.15	µg/l
		propyzamide	0.01 - 0.15	µg/l
		ioxynil	0.01 - 0.15	µg/l
		bromoxynil	0.01 - 0.15	µg/l
		triclopyr	0.01 - 0.15	µg/l
		clopyralid	0.01 - 0.15	µg/l
		fluroxypyr	0.01 - 0.15	µg/l
		2,3,6-TBA	0.01 - 0.15	µg/l
		2,4,5-T	0.01 - 0.15	µg/l
		dichlobenil	0.01 - 0.15	µg/l
		bromacil	0.01 - 0.15	µg/l
		metazachlor	0.01 - 0.15	µg/l
		propachlor	0.01 - 0.15	µg/l
		benazolin	0.01 - 0.15	µg/l
		metaldehyde	0.01 - 0.15	µg/l

BTEX (group 11)

Product Code	Matrix	Analytes	Approx. Range	Unit
FWBT1-DRW1	Drinking Water	benzene	0.1 - 1.5	µg/l
		toluene	0.2 - 4.0	µg/l
		ethylbenzene	0.2 - 4.0	µg/l
		styrene	0.2 - 4.0	µg/l
		o-xylene	0.2 - 4.0	µg/l
		m-xylene	0.2 - 4.0	µg/l
		p-xylene	0.2 - 4.0	µg/l
		m+p xylene	0.2 - 8.0	µg/l
		total xylene	0.5 - 12.0	µg/l

Chlorine (group 12)

Product Code	Matrix	Analytes	Approx. Range	Unit
FWCH1-DRW1	Standard concentrate	chlorine (total)	0.5 - 3.0	mg/l
		chlorine (free)	0.5 - 3.0	mg/l

Emergency contamination incident (no group)

Product Code	Matrix	Analytes	Approx. Range	Unit
FWEM1-DRW1	Drinking Water	not set - blind sample	not set	not set

Fluorosurfactants (PFOS & PFOA, group 19)

Product Code	Matrix	Analytes	Approx. Range	Unit
FWFL1-DRW1	Standard concentrate	perfluorooctane sulfonic acid PFOS	0.2 - 5.0	µg/l
		perfluorooctanoic acid PFOA	0.2 - 10.0	µg/l

Haloacetic Acids (group 17)

Product Code	Matrix	Analytes	Approx. Range	Unit
FWHA1-DRW1	Drinking Water	monochloroacetic acid (MCA)	5.0 - 50.0	µg/l
		dichloroacetic acid (DCA)	5.0 - 50.0	µg/l
		trichloroacetic acid (TCA)	5.0 - 50.0	µg/l
		monobromoacetic acid (MBA)	5.0 - 50.0	µg/l
		dibromoacetic acid (DBA)	5.0 - 50.0	µg/l

Hexavalent Chromium group 18)

Product Code	Matrix	Analytes	Approx. Range	Unit
FWHC1-DRW1	Standard concentrate	hexavalent chromium	5.0 - 50.0	µg/l

Inorganic Disinfection By-products (group 5)

Product Code	Matrix	Analytes	Approx. Range	Unit
FWID1-DRW1	Standard Solution in ultra pure water	bromide	5.0 - 200	µg/l
		bromate	1.0 - 20.0	µg/l
		chlorite	1.0 - 100	µg/l
		chlorate	1.0 - 1000	µg/l

Major Inorganic Components (group 1)

Product Code	Matrix	Analytes	Approx. Range	Unit
FWIC1-DRW1	Drinking Water	sodium	5.0 - 50.0	mg/l
		potassium	0.3 - 3.0	mg/l
		chloride	6.0 - 50.0	mg/l
		calcium	10.0 - 150	mg/l
		magnesium	1.0 - 15.0	mg/l
		alkalinity HCO_3	30.0 - 300	mg/l
		total hardness Ca	30.0 - 130	mg/l
		total phosphorus P	100 - 3000	µg/l
		fluoride	150 - 1800	µg/l
		sulphate	8.0 - 100	mg/l

Non-Routine Metals (group 4)

Product Code	Matrix	Analytes	Approx. Range	Unit
FWNM1-DRW1	Drinking Water	mercury	0.1 - 2.0	µg/l
		barium	100 - 1000	µg/l
		boron	200 - 1500	µg/l
		arsenic	1.0 - 15.0	µg/l
		selenium	1.0 - 15.0	µg/l
		antimony	0.5 - 7.5	µg/l
		silver	1.0 - 20.0	µg/l
		strontium	50.0 - 500	µg/l
		lithium	10.0 - 100	µg/l
		cobalt	3.0 - 30.0	µg/l
		vanadium	3.0 - 30.0	µg/l
		molybdenum	3.0 - 30.0	µg/l
		tin	3.0 - 100	µg/l
		beryllium	3.0 - 10.0	µg/l

OC Pesticides (group 10)

Product Code	Matrix	Analytes	Approx. Range	Unit
FWOC1-DRW1	Drinking Water	endrin	0.01 - 0.15	µg/l
		dieldrin	0.006 – 0.05	µg/l
		aldrin	0.006 – 0.05	µg/l
		p,p’ DDT	0.01 - 0.15	µg/l
		o,p’-DDT	0.01 - 0.15	µg/l
		p,p’-DDE	0.01 - 0.15	µg/l
		o,p’-DDE	0.01 - 0.15	µg/l
		p,p’-DDD	0.01 - 0.15	µg/l
		o,p-DDD (TDE)	0.01 - 0.15	µg/l
		hexachlorocyclohexane (alpha)	0.01 - 0.15	µg/l
		hexachlorocyclohexane (beta)	0.01 - 0.15	µg/l
		hexachlorocyclohexane (delta)	0.01 - 0.15	µg/l
		lindane (gamma HCH)	0.01 - 0.15	µg/l
		trifluralin	0.01 - 0.15	µg/l
		alpha endosulphan	0.01 - 0.15	µg/l
		beta endosulphan	0.01 - 0.15	µg/l
		hexachlorobenzene	0.01 - 0.15	µg/l
		heptachlor	0.006 - 0.04	µg/l
		heptachlor epoxide (total)	0.006 - 0.04	µg/l
		pentachlorobenzene	0.01 - 0.15	µg/l
		pendimethalin	0.01 - 0.15	µg/l

OP Pesticides (group 8)

Product Code	Matrix	Analytes	Approx. Range	Unit
FWOP1-DRW1	Drinking Water	alachlor	0.01 - 0.15	µg/l
		azinphos-ethyl	0.01 - 0.15	µg/l
		azinphos-methyl	0.01 - 0.15	µg/l
		dichlorvos	0.01 - 0.15	µg/l
		fenitrothion	0.01 - 0.15	µg/l
		malathion	0.01 - 0.15	µg/l
		mevinphos	0.01 - 0.15	µg/l
		chlorofenvinphos	0.01 - 0.15	µg/l
		chlorpyrifos	0.01 - 0.15	µg/l
		diazinon	0.01 - 0.15	µg/l
		fenthion	0.01 - 0.15	µg/l
		parathion-ethyl	0.01 - 0.15	µg/l
		parathion-methyl	0.01 - 0.15	µg/l
		cypermethrin	0.01 - 0.15	µg/l
		propetamphos	0.01 - 0.15	µg/l

Perchlorates (group 20)

Product Code	Matrix	Analytes	Approx. Range	Unit
FWPE1-DRW1	Standard concentrate	perchlorate	4.0 - 20.0	µg/l

Polycyclic Aromatic Hydrocarbons (PAHs group 7)

Product Code	Matrix	Analytes	Approx. Range	Unit
FWPC1-DRW1	Drinking Water	anthracene	0.005 – 0.05	µg/l
		fluoranthene	0.01 – 0.10	µg/l
		benzo (b) fluoranthene	0.003 – 0.05	µg/l
		benzo (k) fluoranthene	0.003 – 0.05	µg/l
		naphthalene	0.005 – 0.05	µg/l
		benzo (a) pyrene	0.002 – 0.02	µg/l
		benzo (ghi) perylene	0.01 – 0.07	µg/l
		indeno (1,2,3-cd) pyrene	0.01 – 0.07	µg/l

Routine Components (group 2)

Product Code	Matrix	Analytes	Approx. Range	Unit
FWRC1-DRW1	Drinking Water	nitrite NO_2	0.02 - 0.60	mg/l
		nitrate NO_3	2.0 - 60.0	mg/l
		ammonium NH_4	0.1 - 0.60	mg/l
		TOC	0.2 - 5.0	mg/l
		PI	0.2 - 5.0	mg/l
		colour (filtered)	0.2 - 20.0	HAZEN
		SR phosphate	10.0 - 1500	µg/l
		pH	6.0 - 10.0	pH units
		turbidity	0.05 - 4.0	NTU
		conductivity @ 20°C	100 - 600	µS/cm

Routine Metals (group 3)

Product Code	Matrix	Analytes	Approx. Range	Unit
FWRM1-DRW1	Drinking Water	cadmium	0.5 - 7.0	µg/l
		lead	0.5 - 20.0	µg/l
		iron	20.0 - 400	µg/l
		manganese	10.0 - 75.0	µg/l
		aluminium	20.0 - 300	µg/l
		copper	50.0 - 2000	µg/l
		zinc	50.0 - 500	µg/l
		nickel	5.0 - 30.0	µg/l
		chromium	5.0 - 50.0	µg/l

Taste & Odour Chemical Identification (no group)

Product Code	Matrix	Analytes	Approx. Range	Unit
FWTO1-DRW1	Drinking Water	not set - blind sample	not set	not set

Total Cyanide (group 16)

Product Code	Matrix	Analytes	Approx. Range	Unit
FWTC1-DRW1	Standard Concentrate	total cyanide	0.01 - 0.10	mg/l

Triazines and Urea Herbicides (group 15)

Product Code	Matrix	Analytes	Approx. Range	Unit
FWTU1-DRW1	Drinking Water	isoproturon	0.01 - 0.15	µg/l
		diuron	0.01 - 0.15	µg/l
		linuron	0.01 - 0.15	µg/l
		chlortoluron	0.01 - 0.15	µg/l
		monuron	0.01 - 0.15	µg/l
		methabenzthiazuron	0.01 - 0.15	µg/l
		diflufenican	0.01 - 0.15	µg/l
		metamitron	0.01 - 0.15	µg/l
		simazine	0.01 - 0.15	µg/l
		atrazine	0.01 - 0.15	µg/l
		propazine	0.01 - 0.15	µg/l
		cyanazine	0.01 - 0.15	µg/l
		trietazine	0.01 - 0.15	µg/l
		prometryn	0.01 - 0.15	µg/l
		terbutryn	0.01 - 0.15	µg/l
		ametryn	0.01 - 0.15	µg/l
		carbetamide	0.01 - 0.15	µg/l
		pirimicarb	0.01 - 0.15	µg/l

Trihalomethanes / Chlorinated Solvents (group 6)

Product Code	Matrix	Analytes	Approx. Range	Unit
FWTR1-DRW1	Drinking Water	chloroform	2.0 - 100	µg/l
		dichloromethane	2.0 - 40.0	µg/l
		bromodichloromethane	2.0 - 50.0	µg/l
		dibromochloromethane	2.0 - 50.0	µg/l
		bromoform	2.0 - 50.0	µg/l
		trichloroethene	0.5 - 10.0	µg/l
		tetrachloroethene	0.5 - 10.0	µg/l
		carbon tetrachloride	0.5 - 4.0	µg/l
		1,2-dichloroethane	0.5 - 4.0	µg/l
		1,2,3-trichlorobenzene	0.1 - 2.0	µg/l
		1,2,4-trichlorobenzene	0.1 - 2.0	µg/l
		1,3,5-trichlorobenzene	0.1 - 2.0	µg/l
		hexachlorobutadiene	0.01 - 0.15	µg/l
		1,1,1-trichloroethane	0.1 - 2.0	µg/l

Uranium (group 21)

Product Code	Matrix	Analytes	Approx. Range	Unit
FWUR1-DRW1	Standard solution	uranium	10.0 - 100	µg/l

SOIL
Trace Metals 5 (no group)

Product Code	Matrix	Analytes	Approx. Range	Unit
FWTM5-SOI1	Soil	cadmium	1.0 - 400	mg/l
		lead	10.0 - 2000	mg/l
		chromium	10.0 - 500	mg/l
		arsenic	1.0 - 500	mg/l
		barium	30.0 - 2500	mg/l
		nickel	1.0 - 200	mg/l
		copper	2.0 - 200	mg/l
		zinc	10.0 - 200	mg/l
		mercury	0.1 - 200	mg/l

SURFACE WATER
Major Inorganic Components (group 1)

Product Code	Matrix	Analytes	Approx. Range	Unit
FWIC1-SUW1	Surface Water	sodium	5.0 - 50.0	mg/l
		potassium	0.3 - 3.0	mg/l
		chloride	6.0 - 50.0	mg/l
		calcium	10.0 - 150	mg/l
		magnesium	1.0 - 15.0	mg/l
		alkalinity as HCO_3	30.0 - 300	mg/l
		total hardness as Ca	30.0 - 130	mg/l
		total phosphorus P	100 - 3000	µg/l
		fluoride	150 - 1800	µg/l
		sulphate	5.0 - 100	mg/l

Metals (group 3)

Product Code	Matrix	Analytes	Approx. Range	Unit
FWME1-SUW1	Surface Water	iron	15.0 - 400	µg/l
		manganese	10.0 - 70.0	µg/l
		copper	20.0 - 700	µg/l
		aluminium	10.0 - 500	µg/l
		zinc	20.0 - 700	µg/l
		silver	2.0 - 15.0	µg/l
		barium	10.0 - 700	µg/l
		boron	25.0 - 1500	µg/l
		strontium	10.0 - 1000	µg/l
		lithium	10.0 - 100	µg/l

Routine Components (group 2)

Product Code	Matrix	Analytes	Approx. Range	Unit
FWRC1-SUW1	Surface Water	nitrite NO_2	0.02 - 0.60	mg/l
		nitrate NO_3	2.0 - 60.0	mg/l
		ammonium NH_4	0.1 - 0.6	mg/l
		TOC	0.2 - 5.0	mg/l
		PI	0.2 - 5.0	mg/l
		colour (filtered)	0.2 - 30.0	HAZEN
		SR phosphate	1.0 - 1500	µg/l
		pH	6.0 - 10.0	pH units
		turbidity	0.05 - 10.0	NTU
		conductivity @ 20°C	100 - 600	µS/cm

Toxic Metals (group 4)

Product Code	Matrix	Analytes	Approx. Range	Unit
FWTX1-SUW1	Surface Water	cadmium	0.2 - 7.0	µg/l
		lead	1.0 -25.0	µg/l
		nickel	3.0 - 30.0	µg/l
		selenium	1.0 - 15.0	µg/l
		arsenic	1.0 - 15.0	µg/l
		antimony	0.5 - 7.0	µg/l
		mercury	0.1 - 2.0	µg/l
		cobalt	2.0 - 30.0	µg/l
		vanadium	2.0 - 30.0	µg/l
		chromium	3.0 - 60.0	µg/l
		molybdenum	2.0 - 30.0	µg/l
		tin	1.0 - 100	µg/l
		beryllium	1.0 - 10.0	µg/l

WASTE WATER

Anions (group 9)

Product Code	Matrix	Analytes	Approx. Range	Unit
FWAN1-EWW1	Standard Concentrate	bromide	1.0 - 10.0	mg/l
		fluoride	0.3 - 4.0	mg/l

Dissolved Oxygen (group 14)

Product Code	Matrix	Analytes	Approx. Range	Unit
FWDO1-EWW1	Standard Concentrate	dissolved oxygen & dissolved oxygen (Winkler)	1.0 - 100	mg/l

Hexavalent Chromium (group 7)

Product Code	Matrix	Analytes	Approx. Range	Unit
FWHC1-EWW1	Standard Concentrate	hexavalent chromium [Cr(VI)]	45.0 - 880	µg/l

Minerals (group 8)

Product Code	Matrix	Analytes	Approx. Range	Unit
FWMI1-EWW1	Standard Concentrate	alkalinity (as $CaCO_3$)	10.0 - 120	mg/l
		calcium	3.5 - 110	mg/l
		total hardness (as CaCO3)	17.0 - 675	mg/l
		magnesium	2.0 - 40.0	mg/l
		potassium	4.0 - 40.0	mg/l
		sodium	6.0 - 100	mg/l

Nutrients (group 3)

Product Code	Matrix	Analytes	Approx. Range	Unit
FWNU1-EWW1	Standard Concentrate	nitrate (as N)	0.5 - 50.0	mg/l
		nitrite (as N)	0.2 - 10.0	mg/l
		ammonia (as N)	0.2 - 20.0	mg/l
		chloride	10.0 - 500	mg/l
		orthophosphate (as P)	1.0 - 100	mg/l
		sulphate (as SO_4)	10.0 - 500	mg/l
		total phosphorus (as P)	0.2 - 5.0	mg/l
		kjeldahl nitrogen (as N)	2.0 - 50.0	mg/l
		total nitrogen (as N)	2.0 - 50.0	mg/l

Oil & Grease (group 10)

Product Code	Matrix	Analytes	Approx. Range	Unit
FWOG1-EWW1	Standard Concentrate	oil & grease suitable for EPA 1664, SM 5520B and other gravimetric methods (not suitable for IR methods)	10.0 - 100	mg/l

Oxygen Demand (group 1)

Product Code	Matrix	Analytes	Approx. Range	Unit
FWDE1-EWW1	Standard Concentrate	BOD 5-day	6.0 - 250	mg/l
		COD	6.0 - 250	mg/l
		TOC	6.0 - 250	mg/l

pH & Electrical Conductivity (group 4)

Product Code	Matrix	Analytes	Approx. Range	Unit
FWPH1-EWW1	Standard Solution	pH	1.0 - 13.0	pH units
		electrical conductivity @25°C	200 - 2000	µS/cm

Phthalates (Environmental, group 16)

Product Code	Matrix	Analytes	Approx. Range	Unit
FWPT1-EWW1	Standard Concentrate	bis (2-ethylhexyl) phthalate	8.0 - 50.0	µg/l
		butyl benzyl phthalate	8.0 - 50.0	µg/l
		di-n-butyl phthalate	8.0 - 50.0	µg/l
		diethyl phthalate	8.0 - 50.0	µg/l
		dimethyl phthalate	8.0 - 50.0	µg/l
		di-n-octyl phthalate	8.0 - 50.0	µg/l

Residues (group 2)

Product Code	Matrix	Analytes	Approx. Range	Unit
FWRE1-EWW1	Standard Solution	dissolved solids @ 180°C	23.0 - 675	mg/l
		suspended solids	23.0 - 675	mg/l
		total solids	23.0 - 675	mg/l

Settleable Solids (group 13)

Product Code	Matrix	Analytes	Approx. Range	Unit
FWSS1-EWW1	Standard Concentrate	settleable solids (volumetric test using Imhoff Cone)	5.0 - 100	mg/l

Total Cyanide (group 11)

Product Code	Matrix	Analytes	Approx. Range	Unit
FWTC1-EWW1	Standard Concentrate	total cyanide	0.1 - 1.0	mg/l

Total Sulphide (group 12)

Product Code	Matrix	Analytes	Approx. Range	Unit
FWTS1-EWW1	Standard Concentrate	total sulphide	1.0 - 10.0	mg/l

Trace Metals 1 (group 5)

Product Code	Matrix	Analytes	Approx. Range	Unit
FWTM1-EWW1	Standard Concentrate	aluminium	200 - 4000	µg/l
		arsenic	70.0 - 900	µg/l
		beryllium	8.0 - 900	µg/l
		cadmium	8.0 - 750	µg/l
		chromium (total)	17.0 - 1000	µg/l
		cobalt	28.0 - 1000	µg/l
		copper	40.0 - 900	µg/l
		iron	200 - 4000	µg/l
		lead	70.0 - 3000	µg/l
		manganese	70.0 - 4000	µg/l
		mercury	2.0 - 30.0	µg/l
		nickel	80.0 - 3000	µg/l
		selenium	90.0 - 2000	µg/l
		vanadium	55.0 - 2000	µg/l
		zinc	100 - 2000	µg/l

Trace Metals 2 (group 6)

Product Code	Matrix	Analytes	Approx. Range	Unit
FWTM2-EWW1	Standard Concentrate	antimony	95.0 - 900	µg/l
		barium	100 - 2500	µg/l
		boron	800 - 2000	µg/l
		molybdenum	60.0 - 600	µg/l
		silver	26.0 - 600	µg/l
		strontium	30.0 - 300	µg/l
		thallium	60.0 - 900	µg/l

VOCs (Volatile Organic Compounds, group 15)

Product Code	Matrix	Analytes	Approx. Range	Unit
FWVO1-EWW1	Standard Concentrate	benzene	8.0 - 120	µg/l
		1,2-dichlorobenzene	8.0 - 100	µg/l
		1,3-dichlorobenzene	9.0 - 125	µg/l
		1,4-dichlorobenzene	8.0 - 115	µg/l
		ethylbenzene	9.0 - 100	µg/l
		methyl tert-butyl ether (mtbe)	15.0 - 100	µg/l
		naphthalene	8.0 - 190	µg/l
		toluene	7.0 - 100	µg/l
		1,2,4-trimethylbenzene	8.0 - 100	µg/l
		1,3,5-trimethylbenzene	8.0 - 100	µg/l
		m+p-xylene	8.0 - 300	µg/l
		o-xylene	8.0 - 300	µg/l
		total xylene	20.0 - 300	µg/l

fapas®

WATER AND ENVIRONMENTAL MICROBIOLOGY

fera

Original thinking... applied

WATER AND ENVIRONMENTAL MICROBIOLOGY PROFICIENCY TESTS

Modern water distribution systems in developed countries provide clean water to vast populations, so regular monitoring of water for microbiological safety is highly regulated. A failure in the system could lead to a significant public health risk, if such a widespread and essential commodity were to become contamination with a pathogenic organism.

The Fapas® programme covers all the common indicator organisms for drinking water, and bottled water, as well as *Legionella* spp. in environmental (cooling) waters and common water parasites (*Cryptosporidium* and *Giardia*). The programme also includes swimming pool and spa waters and tests for outdoor bathing waters, whether they are swimming lakes or beach bathing.

Quantity discounts (for materials purchased in a single order)

Quantity Purchased	Distribution Price
All PTs in the same distribution	242 GBP 249 (from April 2022)

Quantity Purchased	Discount Applied
Parasitology - 6 or more	10%

Note: The information in this price list is designed to assist you in choosing proficiency tests to meet your needs. Whilst every care has been taken in producing this information, we do not guarantee its accuracy. The Fapas® website is the definitive source of information about our proficiency tests. Orders are subject to the Fapas® terms and conditions, which are available on our website. Please check the website before placing your order.

Prices do not include taxes, import duties, inspection fees or carriage charges which are extra. Items indicated with ❄ are sent frozen/chilled and incur higher carriage charges.

INDICATOR ORGANISMS

Bathing Water

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
BWM0110	Bathing Water	*Escherichia coli* and Enterococci	FWM10-RWB1	lyophilised sample		06/04/2022	8.500.000

All the above analytes are enumeration tests.

Bottled Water

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
M284e28	Water (Bottled)	Total Coliforms, *Escherichia coli*, *Clostridium perfringens*, Enterococci, *Pseudomonas aeruginosa*, Colony Counts (22ºC/3 days) and Colony Counts (37ºC/2 day)	FMOE29-DRN41	3 x lyophilised samples	❄	27/03/2023	10.400.000

All the above analytes are enumeration tests.

Drinking Water

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
DWM0160	Drinking Water	Total coliforms and *Escherichia coli*	FWMO1-DRW1	lyophilised sample		19/01/2022	8.400.000
DWM0161	Drinking Water	Total coliforms and *Escherichia coli*	FWMO1-DRW1	lyophilised sample		16/03/2022	8.400.000
DWM0162	Drinking Water	Total coliforms and *Escherichia coli*	FWMO1-DRW1	lyophilised sample		13/04/2022	8.500.000
DWM0163	Drinking Water	Total coliforms and *Escherichia coli*	FWMO1-DRW1	lyophilised sample		18/05/2022	8.500.000
DWM0164	Drinking Water	Total coliforms and *Escherichia coli*	FWMO1-DRW1	lyophilised sample		15/06/2022	8.500.000
DWM0165	Drinking Water	Total coliforms and *Escherichia coli*	FWMO1-DRW1	lyophilised sample		13/07/2022	8.500.000
DWM0166	Drinking Water	Total coliforms and *Escherichia coli*	FWMO1-DRW1	lyophilised sample		07/09/2022	8.500.000
DWM0167	Drinking Water	Total coliforms and *Escherichia coli*	FWMO1-DRW1	lyophilised sample		12/10/2022	8.500.000
DWM0168	Drinking Water	Total coliforms and *Escherichia coli*	FWMO1-DRW1	lyophilised sample		09/11/2022	8.500.000
DWM0169	Drinking Water	Total coliforms and *Escherichia coli*	FWMO1-DRW1	lyophilised sample		30/11/2022	8.500.000
DWM0170	Drinking Water	Total coliforms and *Escherichia coli*	FWMO1-DRW1	lyophilised sample		15/02/2023	8.500.000
DWM0171	Drinking Water	Total coliforms and *Escherichia coli*	FWMO1-DRW1	lyophilised sample		15/03/2023	8.500.000
DWM0260	Drinking Water	Colony Counts (22ºC/3 days) and Colony Counts (37ºC/2 day)	FWMO2-DRW1	lyophilised sample		19/01/2022	8.400.000
DWM0261	Drinking Water	Colony Counts (22ºC/3 days) and Colony Counts (37ºC/2 day)	FWMO2-DRW1	lyophilised sample		16/03/2022	8.400.000
DWM0262	Drinking Water	Colony Counts (22ºC/3 days) and Colony Counts (37ºC/2 day)	FWMO2-DRW1	lyophilised sample		13/04/2022	8.500.000
DWM0263	Drinking Water	Colony Counts (22ºC/3 days) and Colony Counts (37ºC/2 day)	FWMO2-DRW1	lyophilised sample		18/05/2022	8.500.000
DWM0264	Drinking Water	Colony Counts (22ºC/3 days) and Colony Counts (37ºC/2 day)	FWMO2-DRW1	lyophilised sample		15/06/2022	8.500.000
DWM0265	Drinking Water	Colony Counts (22ºC/3 days) and Colony Counts (37ºC/2 day)	FWMO2-DRW1	lyophilised sample		13/07/2022	8.500.000
DWM0266	Drinking Water	Colony Counts (22ºC/3 days) and Colony Counts (37ºC/2 day)	FWMO2-DRW1	lyophilised sample		07/09/2022	8.500.000
DWM0267	Drinking Water	Colony Counts (22ºC/3 days) and Colony Counts (37ºC/2 day)	FWMO2-DRW1	lyophilised sample		12/10/2022	8.500.000
DWM0268	Drinking Water	Colony Counts (22ºC/3 days) and Colony Counts (37ºC/2 day)	FWMO2-DRW1	lyophilised sample		09/11/2022	8.500.000

All the above analytes are enumeration tests.

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
DWM0269	Drinking Water	Colony Counts (22ºC/3 days) and Colony Counts (37ºC/2 day)	FWMO2-DRW1	lyophilised sample		30/11/2022	8.500.000
DWM0270	Drinking Water	Colony Counts (22ºC/3 days) and Colony Counts (37ºC/2 day)	FWMO2-DRW1	lyophilised sample		15/02/2023	8.500.000
DWM0271	Drinking Water	Colony Counts (22ºC/3 days) and Colony Counts (37ºC/2 day)	FWMO2-DRW1	lyophilised sample		15/03/2023	8.500.000
DWM0360	Drinking Water	Enterococci, *Pseudomonas aeruginosa*, *Clostridium perfringens*, Clostridium spp., Sulphite Reducing Clostridia	FWMO3-DRW1	lyophilised sample		19/01/2022	8.400.000
DWM0361	Drinking Water	Enterococci, *Pseudomonas aeruginosa*, *Clostridium perfringens*, Clostridium spp., Sulphite Reducing Clostridia	FWMO3-DRW1	lyophilised sample		16/03/2022	8.400.000
DWM0362	Drinking Water	Enterococci, *Pseudomonas aeruginosa*, *Clostridium perfringens*, Clostridium spp., Sulphite Reducing Clostridia	FWMO3-DRW1	lyophilised sample		13/04/2022	8.500.000
DWM0363	Drinking Water	Enterococci, *Pseudomonas aeruginosa*, *Clostridium perfringens*, Clostridium spp., Sulphite Reducing Clostridia	FWMO3-DRW1	lyophilised sample		18/05/2022	8.500.000
DWM0364	Drinking Water	Enterococci, *Pseudomonas aeruginosa*, *Clostridium perfringens*, Clostridium spp., Sulphite Reducing Clostridia	FWMO3-DRW1	lyophilised sample		15/06/2022	8.500.000
DWM0365	Drinking Water	Enterococci, *Pseudomonas aeruginosa*, *Clostridium perfringens*, Clostridium spp., Sulphite Reducing Clostridia	FWMO3-DRW1	lyophilised sample		13/07/2022	8.500.000
DWM0366	Drinking Water	Enterococci, *Pseudomonas aeruginosa*, *Clostridium perfringens*, Clostridium spp., Sulphite Reducing Clostridia	FWMO3-DRW1	lyophilised sample		07/09/2022	8.500.000
DWM0367	Drinking Water	Enterococci, *Pseudomonas aeruginosa*, *Clostridium perfringens*, Clostridium spp., Sulphite Reducing Clostridia	FWMO3-DRW1	lyophilised sample		12/10/2022	8.500.000
DWM0368	Drinking Water	Enterococci, *Pseudomonas aeruginosa*, *Clostridium perfringens*, Clostridium spp., Sulphite Reducing Clostridia	FWMO3-DRW1	lyophilised sample		09/11/2022	8.500.000
DWM0369	Drinking Water	Enterococci, *Pseudomonas aeruginosa*, *Clostridium perfringens*, Clostridium spp., Sulphite Reducing Clostridia	FWMO3-DRW1	lyophilised sample		30/11/2022	8.500.000

All the above analytes are enumeration tests.

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
DWM0370	Drinking Water	Enterococci, *Pseudomonas aeruginosa*, *Clostridium perfringens*, Clostridium spp., Sulphite Reducing Clostridia	FWMO3-DRW1	lyophilised sample		15/02/2023	8.500.000
DWM0371	Drinking Water	Enterococci, *Pseudomonas aeruginosa*, *Clostridium perfringens*, Clostridium spp., Sulphite Reducing Clostridia	FWMO3-DRW1	lyophilised sample		15/03/2023	8.500.000

All the above analytes are enumeration tests.

Swimming Pool and Spa Water

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
SPM0110	Swimming Pool and Spa Water	Total coliforms and *Escherichia coli*	FWMO1-RWS1	lyophilised sample		08/06/2022	8.500.000
SPM0111	Swimming Pool and Spa Water	Total coliforms and *Escherichia coli*	FWMO1-RWS1	lyophilised sample		25/01/2023	8.500.000
SPM0210	Swimming Pool and Spa Water	Total Viable Count (TVC) (37°C/24 hours)	FWM08-RWS1	lyophilised sample		08/06/2022	8.500.000
SPM0211	Swimming Pool and Spa Water	Total Viable Count (TVC) (37°C/24 hours)	FWM08-RWS1	lyophilised sample		25/01/2023	8.500.000
SPM0310	Swimming Pool and Spa Water	*Pseudomonas aeruginosa*, Coagulase Positive Staphylococci, Total Staphylococci	FWM09-RWS1	lyophilised sample		08/06/2022	8.500.000
SPM0311	Swimming Pool and Spa Water	*Pseudomonas aeruginosa*, Coagulase Positive Staphylococci, Total Staphylococci	FWM09-RWS1	lyophilised sample		25/01/2023	8.500.000

All the above analytes are enumeration tests.

PARASITOLOGY

Drinking water

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
DWP0135	Drinking Water	*Cryptosporidium* oocysts and/or *Giardia* cysts Count ONLY	FWPA1-DRW1	1 ml		18/01/2022	10.000.000
DWP0138	Drinking Water	*Cryptosporidium* oocysts and/or *Giardia* cysts Count ONLY	FWPA1-DRW1	1 ml		12/07/2022	10.200.000
DWP0140	Drinking Water	*Cryptosporidium* oocysts and/or *Giardia* cysts Count ONLY	FWPA1-DRW1	1 ml		15/11/2022	10.200.000
DWP0142	Drinking Water	*Cryptosporidium* oocysts and/or *Giardia* cysts Count ONLY	FWPA1-DRW1	1 ml		14/03/2023	10.200.000

All the above analytes are enumeration tests.

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
DWP0235	Drinking Water	*Cryptosporidium* oocysts and/or *Giardia* cysts Recovery	FWPA2-DRW1	1 ml		18/01/2022	10.000.000
DWP0236	Drinking Water	*Cryptosporidium* oocysts and/or *Giardia* cysts Recovery	FWPA2-DRW1	1 ml		08/03/2022	10.000.000
DWP0237	Drinking Water	*Cryptosporidium* oocysts and/or *Giardia* cysts Recovery	FWPA2-DRW1	1 ml		17/05/2022	10.200.000
DWP0238	Drinking Water	*Cryptosporidium* oocysts and/or *Giardia* cysts Recovery	FWPA2-DRW1	1 ml		12/07/2022	10.200.000
DWP0239	Drinking Water	*Cryptosporidium* oocysts and/or *Giardia* cysts Recovery	FWPA2-DRW1	1 ml		06/09/2022	10.200.000
DWP0240	Drinking Water	*Cryptosporidium* oocysts and/or *Giardia* cysts Recovery	FWPA2-DRW1	1 ml		15/11/2022	10.200.000
DWP0241	Drinking Water	*Cryptosporidium* oocysts and/or *Giardia* cysts Recovery	FWPA2-DRW1	1 ml		31/01/2023	10.200.000
DWP0242	Drinking Water	*Cryptosporidium* oocysts and/or *Giardia* cysts Recovery	FWPA2-DRW1	1 ml		14/03/2023	10.200.000

All the above analytes are enumeration tests. Performance assessment is now by z-score (previously by % recovery)

PATHOGENS

Bacterial DNA

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
SEQ0101	Bacterial DNA	MLST Type	FSOD01-UMI46	1 tube	❄	01/03/2023	14.400.000

Bathing Water

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
BWM0210	Bathing Water	*Salmonella* spp. (Detection)	FMOD7-RWB1	lyophilised sample		06/04/2022	8.500.000
BWM0211	Bathing Water	*Salmonella* spp. (Detection)	FMOD7-RWB1	lyophilised sample		21/09/2022	8.500.000
BWM0306	Bathing Water	*Campylobacter* spp. (Detection)	FMOD17-RWB1	lyophilised sample		06/04/2022	8.500.000
BWM0307	Bathing Water	*Campylobacter* spp. (Detection)	FMOD17-RWB1	lyophilised sample		21/09/2022	8.500.000
BWM0405	Bathing Water	*Escherichia coli* O157:H7 (Detection)	FMOD11-RWB1	lyophilised sample		21/09/2022	8.500.000

Swimming Pool and Spa Water

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
SPM0406	Swimming Pool and Spa Water	*Escherichia coli* O157:H7 (Detection)	FMOD11-RWS1	lyophilised sample		08/06/2022	8.500.000

Water (environmental)

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
LG0116	Water	*Legionella* spp.	FWMO5-WAW1	lyophilised sample		16/03/2022	10.200.000
LG0117	Water	*Legionella* spp.	FWMO5-WAW1	lyophilised sample		13/04/2022	10.400.000
LG0118	Water	*Legionella* spp.	FWMO5-WAW1	lyophilised sample		15/06/2022	10.400.000
LG0119	Water	*Legionella* spp.	FWMO5-WAW1	lyophilised sample		12/10/2022	10.400.000
LG0120	Water	*Legionella* spp.	FWMO5-WAW1	lyophilised sample		15/02/2023	10.400.000

All the above analytes are detection, identification and enumeration tests.

SEQUENCING

Bacterial DNA

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
SEQ0101	Bacterial DNA	MLST Type	FSOD01-UMI46	1 tube	❄	01/03/2023	14.400.000

UNKNOWN ORGANISMS

Drinking Water

Item Code	Matrix	Analytes	Product Code	Approx. Size	❄	Start Date	VNĐ
DWM0423	Drinking Water	Organism Identification	FWMO4-DRW1	lyophilised sample		16/03/2022	8.400.000
DWM0424	Drinking Water	Organism Identification	FWMO4-DRW1	lyophilised sample		18/05/2022	8.500.000
DWM0425	Drinking Water	Organism Identification	FWMO4-DRW1	lyophilised sample		07/09/2022	8.500.000
DWM0426	Drinking Water	Organism Identification	FWMO4-DRW1	lyophilised sample		09/11/2022	8.500.000
DWM0427	Drinking Water	Organism Identification	FWMO4-DRW1	lyophilised sample		15/03/2023	8.500.000

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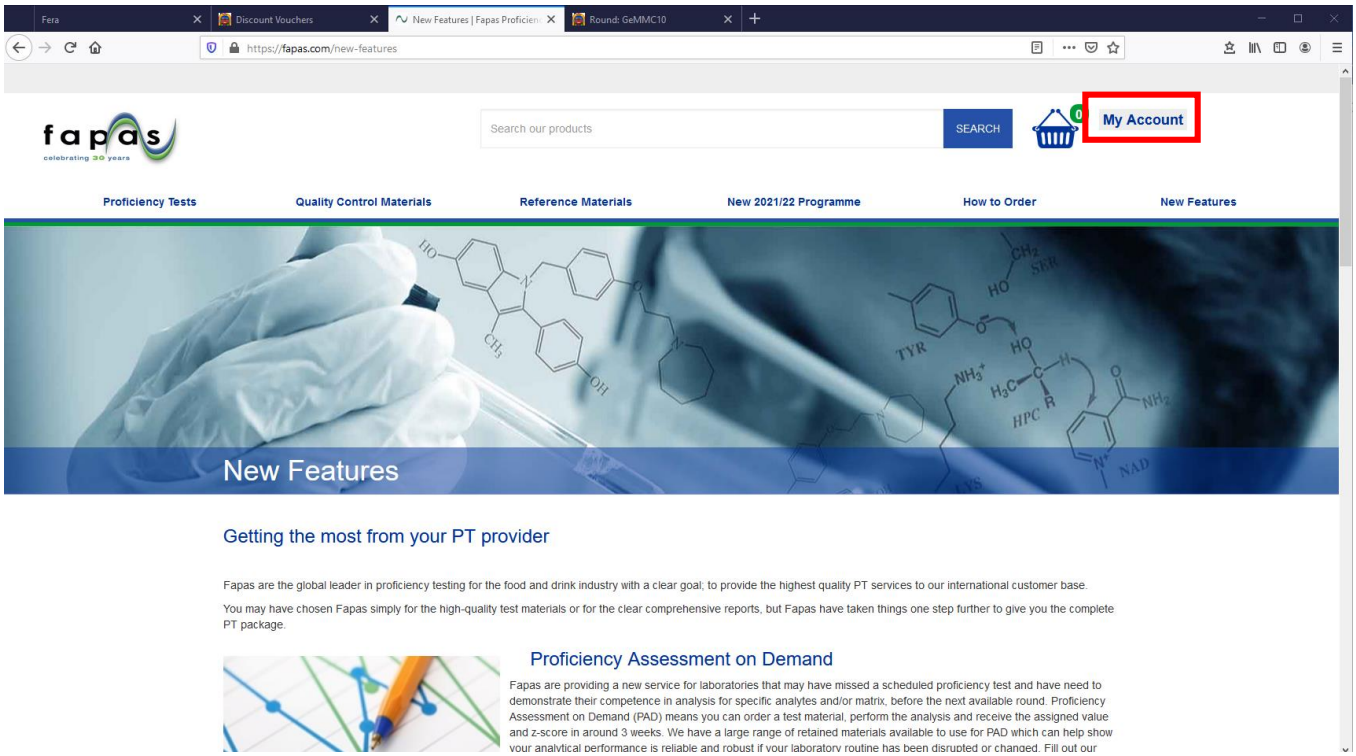

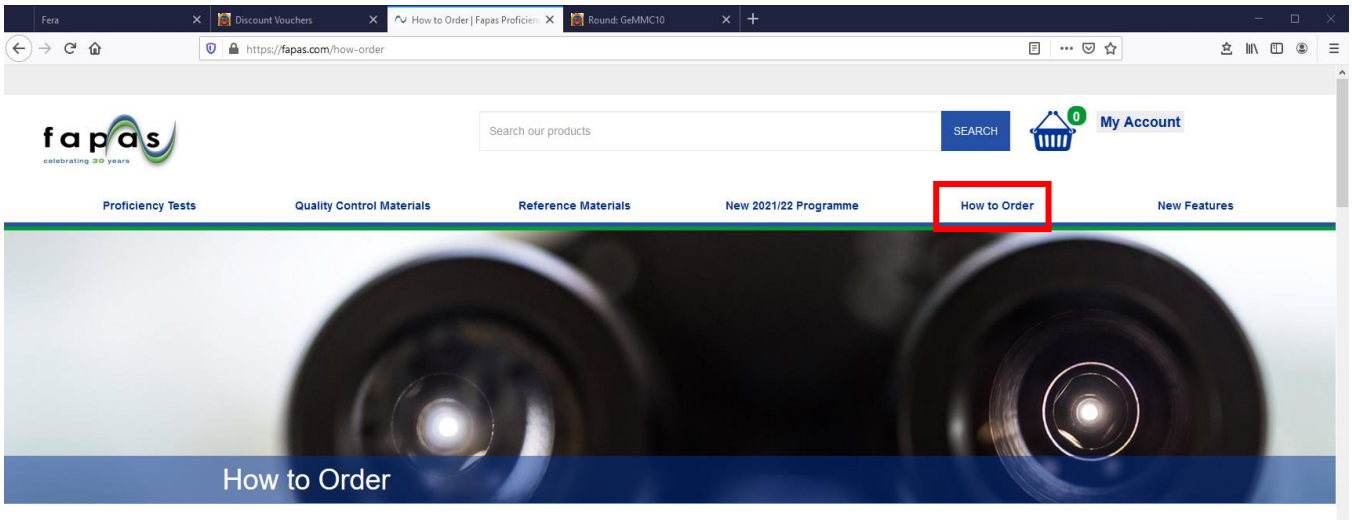

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FAPAS VIETNAM

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