



### MyKIMIA PTP

Proficiency Testing Section, Department of Chemistry Malaysia  
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## MYKIMIA PTP PROGRAMME : LIST OF PT SCHEME YEAR 2024

No.	Scheme ID	Scheme Name	Tentative Month	Subscription For	Matrix	Testing Parameter	Expected Range	Packaging Size	Price (MYR)
1	ENVITEST 1-24	BOD5 and COD in Industrial Effluent	Aug	All	Industrial effluent (synthetic)	BOD5, COD	BOD5: 20.0 - 80.0 mg/L; COD: 50.0 - 250.0 mg/L	1 x 500 mL BOD5; 1 x 250 mL COD	250
2	ENVITEST 2-24	Metals in Industrial Effluent	Feb	All	Industrial effluent (synthetic)	Aluminium, Cadmium, Chromium (total), Copper, Iron, Lead, Manganese, Nickel, Zinc	Al: 1.00 - 15.00 mg/L; Fe, Zn: 1.00 - 5.00 mg/L Others: 0.010 - 1.000 mg/L	1 x 500 mL	250
3	ENVITEST 4-24	Total Solids, Total Dissolved Solids and Total Suspended Solids in Industrial Effluent	Mar	All	Industrial effluent (synthetic)	Total Solids, Total Dissolved Solids, Total Suspended Solids	TS: 75.0 - 300.0 mg/L; TDS: 50.0 - 190.0 mg/L; TSS: 25.0 - 110.0 mg/L	1 x 1000 mL	250
4	ENVITEST 5-24	Turbidity and Total Alkalinity in Surface Water	Apr	All	Industrial effluent (synthetic)	Turbidity, Total Alkalinity	Turbidity: 5.00 - 80.00 NTU Total Alkalinity: 10.0 - 80.0 mg/L CaCO <sub>3</sub>	2 x 250 mL	250
5	ENVITEST 6-24	Mercury and Arsenic in Industrial Effluent	Sep	All	Industrial effluent (synthetic)	Mercury, Total Arsenic	0.005 - 0.150 mg/L	1 x 500 mL	250
6	ENVITEST 7-24	BOD3, COD, Ammoniacal Nitrogen, Total Nitrogen and Suspended Solids in Palm Oil/Rubber Effluent	June	All	Palm oil/ Rubber effluent (synthetic)	BOD3, COD, Ammoniacal Nitrogen, Total Nitrogen, Suspended Solids	BOD3 : 50.0 - 200.0 mg/L; SS: 25.0 - 200.0 mg/L; COD: 100 - 600 mg/L; AN: 100 - 400 mg/L; TN: 150 - 400 mg/L	2 x 500 mL BOD3, SS; 3 x 250 mL COD, AN, TN	250
7	ENVITEST 9-24	pH in Industrial Effluent	Aug	All	Industrial effluent (synthetic)	pH	pH 3.0 - 10.0	2 x 60 mL	400
8	FODAS 2-24	Total Nitrogen, pH and Sodium Chloride in Soy Sauce	Sep	All	Soy sauce	Total Nitrogen, pH, Sodium Chloride	TN: 0.30 - 1.00% w/w; pH: 3.00 - 6.00; NaCl: 5.00 - 40.00% w/w	1 x 250 mL	250
9	FODAS 3-24	Organophosphorus Pesticides in Cucumber	May	Malaysia only	Cucumber slurry	Organophosphorus Pesticides (to be announced soon)	< 1.000 mg/kg	1 x 50 g blank; 1 x 80 g spiked	250
10	FODAS 11-24	Nutritional Components and Calcium in Milk Powder	July	All	Milk powder	Moisture, Ash, Total Fat, Protein, Total Carbohydrate, Calcium	Moisture: 1.00 - 10.00% w/w; Ash: 0.500 - 9.000% w/w; Total Fat: 5.00 - 25.00% w/w; Protein: 5.00 - 30.00% w/w; Total Carbohydrate: 30.0 - 90.0% w/w; Calcium: 200 - 900 mg/100g	1 x 150 g	350
11	FODAS 17-24	Total Arsenic in Anchovies	Feb	All	Anchovies powder	Total Arsenic	1.00 - 5.00 mg/kg	1 x 20 g	250
12	FODAS 21-24	Total Milk Solids in Evaporated Milk/Creamer	May	Malaysia only	Evaporated milk/creamer	Total Milk Solids	10.0 - 40.0% w/w	1 x 60 mL	250
13	FODNA 1-24	Meat Authenticity in Chicken Meat	Mar	All	Chicken meat (freeze-dried)	Sheep DNA, Porcine DNA, Cow DNA	No range for qualitative PT scheme	1 x 5 g	400
14	GENMAS 3-24	GM in Animal Feed	Feb	All	Animal feed	Genetic Elements, GM Events (to be announced soon)	No range for qualitative PT scheme	1 x 5 g	400
15	HALALTEST 2-24	Identification of Pig Bristles in Brushes	Apr	All	Brush bristles	Pig Bristle Identification	No range for qualitative PT scheme	2 x 2 g	300
16	HALALTEST 4-24	Detection of Pork Contamination in Chicken Meat	July	All	Chicken meat (freeze-dried)	Porcine DNA	No range for qualitative PT scheme	2 x 5 g	400
17	KATEST 1-24	Alcohol Content in Alcoholic Beverages	June	All	Wine	Alcohol Content	5.0 - 25.0 % v/v	1 x 60 mL	250
18	KATEST 3-24	Free Fatty Acid, Iodine Value and Slip Melting Point in Palm Oil Products	July	All	Palm oil products	Free Fatty Acid, Iodine Value, Slip Melting Point	According to palm oil specifications	1 x 250 mL	300
19	MICROTEST 1-24	Aerobic Plate Count in Milk Powder	July	Malaysia only	Milk powder	Aerobic Plate Count (cfu/g)	10 - 100.00 cfu/g	1 x 10 g	300
20	MICROTEST 2-24	Detection of <i>Salmonella</i> spp. in Black Pepper	Aug	Malaysia only	Black Pepper	<i>Salmonella</i> spp.	No range for qualitative PT scheme	2 x 25 g	300
21	WAPAS 1-24	Anions in Drinking Water	May	All	Drinking water (synthetic)	Chloride Anion, Sulphate Anion, Nitrate Anion, Nitrite Anion, Fluoride Anion	Cl- & SO <sub>4</sub> <sup>2-</sup> : 5.00 - 30.00 mg/L; NO <sub>3</sub> <sup>-</sup> : 1.00 - 10.00 mg/L; NO <sub>2</sub> <sup>-</sup> : 0.200 - 2.000 mg/L; F <sup>-</sup> : 0.400 - 0.700 mg/L	1 x 1000 mL	300
22	WAPAS 5-24	Potassium and Sodium in Drinking Water	Apr	All	Drinking water (synthetic)	Potassium, Sodium	5.00 - 20.00 mg/L	1 x 250 mL	250
23	WAPAS 6-24	Calcium, Magnesium and Total Hardness in Drinking Water	July	All	Drinking water (synthetic)	Calcium, Magnesium, Total Hardness	Ca, Mg: 5.00 - 20.0 mg/L; TH as CaCO <sub>3</sub> : 30.0 - 130.0 mg/L	1 x 500 mL	250
24	CRIMETEST 101-24	Footwear Imprint Examination	Sep	KIMIA Malaysia only	White paper	Footwear Imprint	No range for qualitative PT scheme	Min. 1 x A3 paper	300
25	CRIMETEST 103-24	Restoration of Erased Identification Number	Sep	All	Aluminium plate	Restoration Chasis Number	No range for qualitative PT scheme	1 x aluminium plate	300
26	CRIMETEST 104-24	Ignitable Liquid Identification	Apr	All	Fabric/Wood	Ignitable Liquid	No range for qualitative PT scheme	2 x fabric/ wood	300
27	CRIMETEST 106-24	Firearms Examination	Mar	KIMIA Malaysia only	Cartridge case	Firearms	No range for qualitative PT scheme	Min. 4 x cartridge case	300



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28	CRIMETEST 108-24	Acid Throwing Analysis	Jan	KIMIA Malaysia, International	Fabric	Acid	No range for qualitative PT scheme	1 x unknown liquid; 2 x fabric	300
29	CRIMETEST 110-24	GSR Analysis	May	KIMIA Malaysia only	SEM stub and fabric	GSR	No range for qualitative PT scheme	Min. 1 x SEM stub; 1 x fabric	300
30	CRIMETEST 113-24	Explosives Analysis	Aug	KIMIA Malaysia only	Unknown powder/ solid/ particle	Explosives Material, Explosives Residue	No range for qualitative PT scheme	2 x unknown powder/ solid/ particle	300
31	DNA TEST 1-24	Analysis for DNA Data Bank	Feb	All	Buccal cells on FTA card	24-Locus STR	No range for qualitative PT scheme	1 x FTA card	350
32	DNA TEST 2-24	DNA Relationship Testing	June	All	Blood on FTA card	24-Locus STR, Relationship Conclusion	No range for qualitative PT scheme	2 x FTA card	300
33	DOCUTEST 1-24	Questioned Document Examination	May	All	White paper	Questioned Document	No range for qualitative PT scheme	1 x questioned document; Min. 2 x specimen	300
34	NARCOTEST 1-24	Analysis of Controlled Substance	Feb	KIMIA Malaysia only	Dried plant/ Powdered drugs	Controlled Substance in DDA and PA	No range for qualitative PT scheme	1 x 500 mg	250
35	NARCOTEST 2-24	Analysis of Heroin	June	KIMIA Malaysia only	Powdered drugs	Heroin	Maximum 80% base	2 x 500 mg	250
36	NARCOTEST 4-24	Analysis of Nimetazepam	Apr	KIMIA Malaysia only	Powdered drugs	Nimetazepam	Maximum 70%	1 x 500 mg	250
37	NARCOTEST 8-24	Clandestine Laboratory	Aug	KIMIA Malaysia only	Unknown liquid and/ powder	Chemical Component, Synthesis Route, End-product and Roles of Substance	No range for qualitative PT scheme	2 x 500 mg; 1 x 1.5 mL	250
38	TOXITEST 1-24	Qualitative Analysis of Scheduled Poisons in Medicinal Preparation	Sep	KIMIA Malaysia only	Powdered/liquid medicine	Scheduled Poisons in PA	No range for qualitative PT scheme	1 x 500 mg/5 mL	300
39	TOXITEST 2-24	Qualitative Analysis of Drugs in Blood and Urine	Mar	KIMIA Malaysia only	Urine and blood	Common Drugs, Drugs of Abuse	No range for qualitative PT scheme	1 x 5 mL urine; 1 x 5 mL blood	300
40	TOXITEST 3-24	Quantitative Analysis of Drugs in Blood	June	KIMIA Malaysia only	Blood	Tramadol, Dihydrocodeine	0.05 – 1.00 µg/mL	1 x 10 mL	300