

NO: MyPTP 001

(Issue 2, 21 March 2019 replacement
of MyPTP 001 dated 10 October 2017)

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**PROFICIENCY TESTING
PROVIDER:**

**DEPARTMENT OF CHEMISTRY MALAYSIA
JALAN SULTAN
46661 PETALING JAYA
SELANGOR
MALAYSIA**

FIELDS OF TESTING:

CHEMICAL, BIOLOGY, HALAL & FORENSIC SCIENCE

The standard used for assessment of this proficiency testing provider is MS ISO/IEC 17043:2010.

SCOPE OF TESTING: CHEMICAL

Proficiency Testing Items/Materials/ Products/Matrix/Specimen tested/Item Inspected	Scheme Name/Type of Test/Properties Measured	Scheme Protocols/Procedures/ Techniques Used
<u>Food</u>		
Sauce, Cordial	FODAS 1 Benzoic Acid and Sorbic Acid	PT Design F01
Soy Sauce	FODAS 2 Total Nitrogen, Protein, pH and Sodium Chloride Content	PT Design F02
Milk Powder	FODAS 11 Calcium, Moisture, Ash, Fat, Protein and Carbohydrate	PT Design F05
**Coffee Product	FODAS 8 Caffeine Content	PT Design F04
<u>Water</u>		
Water	WAPAS 1 Anions in Water: Chloride, Sulphate, Nitrate and Fluoride	PT Design W01
	WAPAS 5 Potassium and Sodium	PT Design W02
	WAPAS 6 Calcium, Magnesium and Total Hardness	PT Design W02

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SCOPE OF TESTING: CHEMICAL

Proficiency Testing Items/Materials/ Products/Matrix/Specimen tested/Item Inspected	Scheme Name/Type of Test/Properties Measured	Scheme Protocols/Procedures/ Techniques Used
<p><u>Environment</u></p> <p>Water, Industrial Effluent</p> <p>Water, Palm Oil / Rubber Effluent</p> <p>**Surface Water</p>	<p>ENVITEST 1 BOD-5 Days and COD</p> <p>ENVITEST 2 Round 1 Metals: Aluminum, Cadmium, Chromium (Total) and Copper</p> <p>ENVITEST 2 Round 2 Metals: Iron, Manganese, Lead, Nickel and Zinc</p> <p>ENVITEST 6 Mercury and Arsenic</p> <p>ENVITEST 7 BOD-3 Days, COD Ammoniacal Nitrogen, Total Nitrogen and Suspended Solids</p> <p>ENVITEST 5 Turbidity and Total Alkalinity</p>	<p>PT Design W03</p> <p>PT Design W04</p> <p>PT Design W04</p> <p>PT Design W04</p> <p>PT Design W03</p> <p>PT Design W06</p>
<p><u>Industrial</u></p> <p>Alcoholic Beverages</p> <p>Edible Oils</p>	<p>KATEST 1 Alcohol Content</p> <p>KATEST 3 Free Fatty Acid, Iodine Value and Slip Melting Point</p>	<p>PT Design I01</p> <p>PT Design I03</p>

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SCOPE OF TESTING: BIOLOGY

Proficiency Testing Items/Materials/ Products/Matrix/Specimen tested/Item Inspected	Scheme Name/Type of Test/Properties Measured	Scheme Protocols/Procedures/ Techniques Used
<u>GMO</u>		
Flour	GMO 1 Genetically Modified Food	PT Design G01
**Grits	GMO 2 Genetically Modified Food	PT Design G01
<u>Microbiology</u>		
Milk Powder	MICROTEST 1 Aerobic Plate Count	PT Design M01
Black Pepper	MICROTEST 2 Detection of <i>Salmonella</i> spp.	PT Design M02
**Desiccated Coconut	MICROTEST 6 Detection of <i>Salmonella</i> spp.	PT Design M02

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SCOPE OF TESTING: HALAL

Proficiency Testing Items/Materials/ Products/Matrix/Specimen tested/Item Inspected	Scheme Name/Type of Test/Properties Measured	Scheme Protocols/Procedures/ Techniques Used
**Leather Product	KATEST 5 Identification of Pig Skin	PT Design I01

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SCOPE OF TESTING: FORENSIC SCIENCE

Proficiency Testing Items/Materials/ Products/Matrix/Specimen tested/Item Inspected	Scheme Name/Type of Test/Properties Measured	Scheme Protocols/Procedures/ Techniques Used
<p><u>Toxicology</u></p> <p>Medicinal Preparation</p> <p>Blood and Urine</p> <p><u>Narcotic</u></p> <p>Powdery & Granular substance</p>	<p>TOXITEST 1 Qualitative Analysis of Scheduled Poisons</p> <p>TOXITEST 2 Qualitative Analysis of Common Drugs</p> <p>NARCOTEST 2 Analysis of Heroin/MAM</p> <p>NARCOTEST 3 Analysis of Methamphetamine</p> <p>NARCOTEST 4 Analysis of Nimetazepam</p> <p>NARCOTEST 6 Analysis of MDMA</p> <p>NARCOTEST 7 Analysis of Ketamine</p>	<p>PT Design FOR01</p> <p>PT Design FOR02</p> <p>PT Design FOR05</p>

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Proficiency Testing Items/Materials/ Products/Matrix/Specimen tested/Item Inspected	Scheme Name/Type of Test/Properties Measured	Scheme Protocols/Procedures/ Techniques Used
<u>Criminalistics</u>		
Metal Plate	CRIMETEST 103 Restoration of Erased Identification Number	PT Design FOR09
Flammable Substances	CRIMETEST 104 Ignitable Liquid Identification	PT Design FOR10
Soil	CRIMETEST 107 Soil Analysis	PT Design FOR13
Acid	CRIMETEST 108 Acid Throwing Analysis	PT Design FOR14
<u>DNA/Serology</u>		
Body fluid	DNA TEST 1 Analysis for DNA Data Bank	PT Design FOR20
	DNA TEST 2 DNA Paternity	PT Design FOR21
<u>Document Examination</u>		
Document	DOCUTEST 1 Handwriting, Signature and Questioned Document	PT Design FOR22

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Signatories:

	<u>Name</u>	<u>Scope</u>
1.	Khairul Anuar Bin Abdul Aziz	All
2.	Li Hui Ling	All
3.	Nurshidawati binti Othman	Toxicology, Narcotic & Indicate **
4.	Sharifah Norfarahani bt Syed Nasir	Water, Industrial, Biology, DNA/Serology & Indicate **
5.	Nur Atiqah binti Hamidun	Food, Environmental & Indicate **