Announcement of Prince of Songkla University
Subject: Cancellation and Testing and other services fee of Office of Scientific Instrument and Testing (Revised Edition, Fiscal Year 2027)

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According to the announcement of Prince of Songkla University on the Cancellation and Revision fee for Testing and other services of Office of Scientific Instrument (Revised Edition, Fiscal Year 2026)

To provide academic services, testing and other services of Office of Scientific Instrument and Testing, for smooth operation and in compliance, Board of Directors Office of Scientific Instrument and Testing Meeting no. 10/2026 dated July 9, 2026 has concluded to approve the revised service fees for testing and other services as detailed in the attached file.

Any announcements which contradict with this announcement, this announcement is to be used instead. This announcement is effective from 1 October 2026 on.

Announced on August 31, 2026

Digitally signed: 2026.08.31 18:05:47 +07:00

(Asst. Prof. Dr. Niwet Arunberkfa)
Director of Academic Services and Human Resource Development
Acting for President of Prince of Songkla University

(copy)

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(signed) Niwet Arunberkfa
(Asst. Prof. Dr. Niwet Arunberkfa)
Director of Academic Services and Human Resource Development
Acting for President of Prince of Songkla University

Certified copy

(Miss Pattarawadee Watcharadilok)
Academic Officer

รายการเครื่องมือวิจัยทางวิทยาศาสตร์งานทดสอบคุณสมบัติทางกายภาพ

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
1	BET01	Analysis of surface area by physisorption method (range of P/P_0: 0.05-0.3, 80-100 points)	Per sample	1,200	1,200	15 working days	> 1.0 g for typical samples (In the case of carbon samples, sample amount > 2.0 g to check for Tar oil residue in sample)	1. Sample has melting point and decomposes at 2. Charge of tube with sample melt in tube 3. Homogeneous sample 4. In the case of activated carbon samples, we test only samples without tar oil.

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
2	BET02	Analysis of surface area and porosity by physisorption method (multi point > 120 points)	Per sample	2,300	2,300	15 working days	> 1.0 g for typical samples (In the case of carbon samples, sample amount > 2.0 g to check for Tar oil residue in sample)	1. Sample has melting point and decomposes at 2. Charge of tube with sample melt in tube 3. Homogeneous sample 4. In the case of activated carbon samples, we test only samples without tar oil.
3	BET03	Analysis of surface area and porosity by physisorption method (micro pore range)	Per sample	4,500	4,500	15 working days	> 1.0 g for typical samples (In the case of carbon samples, sample amount > 2.0 g to check for Tar oil residue in sample)	1. Sample has melting point and decomposes at 2. Charge of tube with sample melt in tube 3. Homogeneous sample 4. In the case of activated carbon samples, we test only samples without tar oil.

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
4	BET04	Analysis of surface area by physisorption method (range of P/P_0: 0.05-0.3, 10-20 points)	Per sample	600	600	15 working days	> 1.0 g for typical samples (In the case of carbon samples, sample amount > 2.0 g to check for Tar oil residue in sample)	1. Sample has melting point and decomposes at 2. Charge of tube with sample melt in tube 3. Homogeneous sample 4. In the case of activated carbon samples, we test only samples without tar oil.
5	BET05	Sample preparation charge for non- optimized sample to analyze	Per sample	300	300	15 working days	> 1.0 g for typical samples (In the case of carbon samples, sample amount > 2.0 g to check for Tar oil residue in sample)	1. Charge of tube with sample melt in tube 2. Homogeneous sample

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
6	BET06	Analysis of 1 point surface area by physisorption method	Per sample	400	400	15 working days	> 5 g	1. The sample must be dry. 2. Customer must specify temperature that make sample decompose. 3. In case of charcoal sample, customer must specify type of materials and temperature used to burn the materials to produce charcoal.
7	Density01	Density at various temperature	Per sample	600	600	5 working days	> 10 mL	1. It can not test for viscous and easy aggregated samples such as latex, honey, and gel and suspension samples etc. 2. The customers have to identify temperature for testing in the range of 0 °C - 95 °C. 3. The price depends on the number of temperatures. 4. The sample contains in a closed container.
8	Density02	Specific gravity at various temperature	Per sample	600	600	5 working days	> 10 mL	1. It can not test for viscous and easy aggregated samples such as latex, honey, and gel and suspension samples etc. 2.The customers have to identify temperature for testing in the range of 0 °C - 95 °C. 3. The price depends on the number of temperatures. 4. The sample contains in a closed container.
9	DMA01	Test of physical property of material with temperature 30°C - 500 °C	Per sample	595	850	7 working days	size 2-8 mm x 35 mm x (< 3 mm)	Test 1 time
10	DMA02	Test of physical property of material with temperature (-150)°C-500 °C (Using liquid nitrogen)	Per sample	1,190	1,700	10 working days	size 2-8 mm x 35 mm x (< 3 mm)	Test 1 time
11	DSC03A	Analysis of physical properties of materials (rate ≥ 5 °C/min) for using liquid N_2 from -150 °C to 180 °C.	Per sample	1,020	1,700	7 working days	> 10 mg	1. Contact for range of testing 2. The appointment date of test results 10 working days in case of testing with rate = 5 °C/min. 3. Extra charge 500 baht/ sample with single test for high pressure sample 4. Customer's pan discount 50 baht/sample

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
12	DSC03B	Test of physical properties of materials (rate 2 from -150 °C to 180 °C.	Per sample	3,060	5,100	10 working days	> 10 mg	1. Contact for range of testing 2. Extra charge 500 baht/ sample with single test for high pressure sample 3. Customer's pan discount 50 baht/sample
13	DSC04A	Analysis of physical properties of materials (rate ≥ 5 °C/min) for using liquid N_2 from (-150) °C to 450 °C.	Per sample	1,380	2,300	7 working days	> 10 mg	1. The appointment date of test results 10 working days in case of testing with rate = 5 °C/min. 2. Extra charge 500 baht/ sample with single test for high pressure sample 3. Customer's pan discount 50 baht/sample
14	DSC04B	Analysis of physical properties of materials (rate 2 from (-150) °C to 450 °C.	Per sample	4,080	6,800	10 working days	> 10 mg	1. The appointment date of test results 10 working days in case of testing with rate = 5 °C/min. 2. Extra charge 500 baht/ sample with single test for high pressure sample. 3. Customer's pan discount 50 baht/sample
15	DSC05	Analysis of sample for > 4 hrs.	Per sample	2,640	4,400	7 working days	> 10 mg	1. Extra charge 500 baht/ sample with single test for high pressure sample 2. Customer's pan discount 50 baht/sample
16	DSC06	Analysis of melting point of plastic (ASTM D 3418)	Per sample	580	970	6 working days	> 10 mg	Customer's pan discount 50 baht/sample
17	DSC07A	Analysis of physical properties of materials from temperature 20 °C to 500 °C (rate ≥ 5 °C/min)	Per sample	580	970	7 working days	> 10 mg	1. 5-10 samples/day for testing depend on testing condition 2. The appointment date of test results 10 working days in case of testing with rate = 5 °C/min. 3. Extra charge 500 baht/ sample with single test for high pressure sample 4. Customer's pan discount 50 baht/sample
18	DSC07B	Analysis of physical properties of materials from temperature 20 °C to 500 °C (rate	Per sample	650	1,080	10 working days	> 10 mg	1. 5-10 samples/day for testing depend on testing condition 2. The appointment date of test results 10 working days in case of testing with rate = 5 °C/min. 3. Extra charge 500 baht/ sample with single test for high pressure sample 4. Customer's pan discount 50 baht/sample
19	DSC08A	Analysis of physical properties of materials from temperature (-80) °C to 200 °C (rate ≥ 5 °C/min)	Per sample	650	1,080	7 working days	> 10 mg	1. 5-10 samples/day for testing depend on testing condition 2. The appointment date of test results 10 working days in case of testing with rate = 5 °C/min. 3. Extra charge 500 baht/ sample with single test for high pressure sample 4. Customer's pan discount 50 baht/sample

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
20	DSC08B	Analysis of physical properties of materials from temperature (-80) °C to 200 °C (rate	Per sample	840	1,400	10 working days	> 10 mg	1. 5-10 samples/day for testing depend on testing condition 2. The appointment date of test results 10 working days in case of testing with rate = 5 °C/min. 3. Extra charge 500 baht/ sample with single test for high pressure sample 4. Customer's pan discount 50 baht/sample
21	DSC09A	Analysis of physical properties of materials from temperature (-70) °C to 500 °C (rate ≥ 5 °C/min)	Per sample	830	1,380	7 working days	> 10 mg	1. 5-10 samples/day for testing depend on testing condition 2. The appointment date of test results 10 working days in case of testing with rate = 5 °C/min. 3. Extra charge 500 baht/ sample with single test for high pressure sample 4. Customer's pan discount 50 baht/sample
22	DSC09B	Analysis of physical properties of materials from temperature (-70) °C to 500 °C (rate	Per sample	1,020	1,700	10 working days	> 10 mg	1. 5-10 samples/day for testing depend on testing condition 2. The appointment date of test results 10 working days in case of testing with rate = 5 °C/min. 3. Extra charge 500 baht/ sample with single test for high pressure sample 4. Customer's pan discount 50 baht/sample
23	DSC10	Analysis of specific heat capacity	Per sample	650	1,080	7 working days	> 10 mg	
24	LPSA01	Particle size and dispersion in liquid medium	Per sample	560	800	7 working days	> 10 g/ 10 mL	
25	LPSA02	Analysis of particle size and dispersion in air medium	Per sample	700	1,000	7 working days	> 100 g	Dried sample
26	LPSA03	Additional interpretation (additional charge from LPSA01/LPSA02)	Per sample	210	300	7 working days	-	
27	MACROTGA01	Proximate analysis (Moisture, Volatile Matter, Fixed Carbon, Ash) ASTM D7582	Per sample	1,120	1,600	6 working days	> 30 g	
28	MACROTGA02	Analysis of loss of ignition (LOI)	Per sample	700	1,000	6 working days	> 30 g	ASTM D7348/13-047 is a standard for testing ash and cement samples.
29	RHEOMETER01	Rheometry	Per sample	700	700	7 working days	> 30 mL	1. Each sample is analyzed for 1 condition. In case of sample needs to be analyzed for more than 1 condition, the price is calculated per number of condition. 2. The sample is homogeneous.

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
30	STA01	Determination of weight loss at increased temperature from 30°C to 1,000 °C	Per sample	580	970	6 working days	> 10 mg	1. Able to test 2-4 samples/day depending on the test conditions. 2. The appointment date 10 working days to receive test result in case of testing with rate ≤ 5 °C/min.
31	STA02	Quantitative analysis of weight loss at increased temperature from 30°C to 1,000 °C (TGA and DTA)	Per sample	1,160	1,940	10 working days	> 10 mg	
32	STA04	Test of Moisture, Volatile matter, Fix Carbon and Ash	Per sample	960	1,600	6 working days	> 10 mg	1. Able to test 2-4 samples/day depending on the test conditions. 2. The appointment date 10 working days to receive test result in case of testing with rate ≤ 5 °C/min.
33	STA05	Quantitative analysis of composition of rubber and rubber product (ISO 9924-1)	Per sample	580	970	6 working days	> 30 mg	
34	TCA01	Analysis of thermal conductivity at room temperature	Per sample	600	1,000	6 working days	> 100 mL/100 g and smooth sheet size not less than 50 mm x 50 mm x 10 mm 2 sheets	

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
35	TCA02	Analysis of specific heat capacity per volume (volumetric specific heat capacity; Cvol, หน่วย J K^{-1} m^{-3}) at room temperature . .	Per sample	600	1,000	6 working days	> 100 mL/100 g and smooth sheet size not less than 50 mm x 50 mm x 10 mm 2 sheets	Need to analyze density of sample
36	TGA-DSC01	Determination of weight loss at increased temperature from 25 °C to 1,400 °C	Per sample	708	1,180	6 working days	> 10 mg	1. Able to test 2-4 samples/day depending on the test conditions. 2. The appointment date 10 working days to receive test result in case of testing with rate < 10 °C/min.
37	TGA-DSC02	Quantitative analysis of weight loss at increased temperature from 25 °C to 1,000 °C (TGA and DTA)	Per sample	1,160	1,940	10 working days	> 10 mg	1. Able to test 2-4 samples/day depending on the test conditions.
38	TGA-DSC03	Quantitative analysis of weight loss at increased temperature from 25 °C to 1,400 °C (TGA and DTA)	Per sample	1,420	2,360	10 working days	> 10 mg	1. Able to test 2-4 samples/day depending on the test conditions.
39	TGA-DSC04	Determination of weight loss at increased temperature from 25 °C to 1,000 °C	Per sample	580	970	7 working days	> 10 mg	1. Able to test 2-4 samples/day depending on the test conditions. 2. The appointment date 10 working days to receive test result in case of testing with rate < 10 °C/min.
40	TGA05	New pan damage charge	Per sample	5,000	5,000	0 working days	-	For new pan damage
41	TGA09	Analysis of sample for > 4 hrs.	Per sample	2,640	4,400	6 working days	> 10 mg	The appointment date 10 working days of receive test result in case of testing with rate ≤ 5 °C/min.
42	TGA10	Quantitative analysis of % SBR in natural rubber	Per sample	580	970	6 working days	> 10 mg	
43	TGA11	Quantitative analysis of weight loss at increased temperature from 25°C to 1,000 °C	Per sample	580	970	6 working days	> 10 mg	1. Able to test 2-4 samples/day depending on testing conditions. 2. Arrange the appointment of receive test result 10 working days in case of testing with rate ≤ 5 °C/min.
44	TRUEDENSITY 01	Analysis of true density	Per sample	600	600	5 working days	> 10 g/ 10 mL	Suitable for analysis of sample is not high acid or high base in case of liquid sample.

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
45	TRUEDENSITY 02	Analysis of specific gravity (SG)	Per sample	600	600	5 working days	> 10 g/ 10 mL	Suitable for analysis of sample is not high acid or high base in case of liquid sample.
46	VISCO01	Viscosity analysis of solution for small volume (uncontrolled temperature)	Per sample	330	550	7 working days	> 20 mL	No raw data for customer
47	VISCO03	Viscosity analysis of solution for large volume (uncontrolled temperature)	Per sample	330	550	7 working days	> 600 mL	
48	VISCO04	Viscosity analysis of solution for large volume at temperature 25-40 degree of Celsius	Per sample	490	700	7 working days	> 600 mL	
49	ZETA01	Analysis of size of colloid (aqueous: water and alcohol)	Per sample	660	1,100	7 working days	> 1 g/ 10 mL	
50	ZETA02	Analysis of size of colloid (non- aqueous: other solvents except water and alcohol)	Per sample	780	1,300	7 working days	> 1 g/ 10 mL	
51	ZETA03	Analysis of zeta potential of colloid (aqueous: water and alcohol)	Per sample	780	1,300	7 working days	> 1 g/ 10 mL	
52	ZETA04	Analysis of zeta potential of colloid (non-aqueous: other solvents except water and alcohol)	Per sample	900	1,500	7 working days	> 1 g/ 10 mL	
53	ZETA07	Analysis of zeta potential of colloid (aqueous: water and alcohol) at various pH (additional charge from ZETA03)	Per point	630	1,040	7 working days	> 25 mL	Scientists consider an appointment date in case of sending > 4 samples.

รายการเครื่องมือวิจัยทางวิทยาศาสตร์งานทดสอบเพื่อหามวลโมเลกุลและสารประกอบอินทรีย์

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
1	GC-MS01	Identification of organic compounds by GC-MS (SPME/Headspace)	Per sample	2,040	3,400	8 working days	> 10 g/ 10 mL	1. 12 working days for 7–10 samples, 16 working days for 11–20 samples.
2	GC-MS02	Identification of organic compounds by GC-MS	Per sample	1,920	3,200	8 working days	> 0.5 g/ 1 mL	1. 12 working days for 7–10 samples, 15 working days for 11–20 samples. 2. The suitable solvents for dissolving the sample, such as Hexane, DCM, Methanol. **Unsuitable solvents include water and DMSO.** 3. Not suitable for high molecular weight or highly polar compounds (e.g., heavy oils, water-only soluble substances). 4. Sample vial must be glass.
3	GC-MS04	Quantitative analysis of 1 organic compound	Per sample	3,800	3,800	10 working days	> 5 g/ 10 mL	1. Contain in sealed container or protected from light. 2. Customer must have standard compounds.
4	GC-MS05	Quantitative analysis of > 1 organic compound (additional charge from GC-MS04)	Per compound	1,000	1,000	10 working days	> 5 g/ 10 mL	1. Contain in sealed container or protected from light. 2. Customer must have standard compounds.
5	GC-MS06	Qualitative analysis of hydrocarbon compounds in soil, sand and water	Per sample	2,400	4,000	8 working days	Soil and sand > 100 g, water > 1 L	
6	GC-MS08	Lauric acid identification by GC-MS	Per sample	1,800	3,000	8 working days	> 2 g	
7	GC-MS14	Qualitative analysis of organic compounds with pyrolyzer (direct EGA)	Per sample	1,500	1,500	8 working days	> 0.5 g/ 1 mL	
8	GC-MS15	Quantitative analysis of 1 organic compound with pyrolyzer	Per sample	5,000	5,000	8 working days	> 0.5 g/ 1 mL	
9	GC-MS16	Quantitative analysis of > 1 organic compound with pyrolyzer (Additional charge from GC-MS15)	Per compound	1,000	1,000	10 working days	> 0.5 g/ 1 mL	
10	GC-MS17	Qualitative analysis of 6PPD	Per sample	1,800	3,000	8 working days	> 2 g	
11	GC-MS18	Qualitative analysis of organic compounds with pyrolyzer (heart-cut EGA) 2 zone	Per sample	4,300	4,300	8 working days	> 0.5 g/ 1 mL	

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
12	GC-MS19	Qualitative analysis of organic compounds with pyrolyzer (heart-cut EGA) > 2 zone (Addition charge from GC-MS18 per zone)	per zone	1,000	1,000	8 working days	> 0.5 g/ 1 mL	
13	GC-MS20	Qualitative analysis of organic compounds with pyrolyzer (single shot)	Per sample	3,400	3,400	8 working days	> 10 mg/ 0.5 mL	1. 12 working days for 5–8 samples
14	GC-MS21	Qualitative analysis of organic compounds with pyrolyzer (double shot)	Per sample	4,300	4,300	8 working days	> 0.5 g/ 1 mL	
15	GC-MSMS03	Quantitative analysis of 1 organic compound	Per sample	5,200	5,200	10 working days	> 5 g/ 10 mL	
16	GC-MSMS04	Quantitative analysis of > 1 organic compound (Additional charge from GC-MSMS03)	Per compound	1,000	1,000	10 working days	> 5 g/ 10 mL	
17	GCXGC TOF-001	Qualitative analysis of organic compound for liquid injection (2D)	Per sample	3,400	3,400	8 working days	> 1 mL/ 10 mg	
18	GCXGC TOF-002	Qualitative analysis of organic compound for SPME fiber injection (2D)	Per sample	3,600	3,600	8 working days	> 2 mL / 2 mg	
19	GCXGC TOF-003	Qualitative analysis of organic compound for SPME fiber injection (2D)	Per sample	3,600	3,600	8 working days	> 2 mL/ 2 mg	Contain sample in tightly closed container
20	GCXGC TOF-004	Qualitative analysis of organic compounds with SPME fiber injection (1D)	Per sample	2,040	3,400	8 working days	> 1 mL/ 10 mg	
21	GCXGCTOF-005	Qualitative analysis of organic compounds with liquid injection (1D)	Per sample	1,920	3,200	8 working days	> 100 mg/ 1 mL	
22	LC-MSMS01	Qualitative analysis of organic compounds by LC-QTOF-MS (Positive or Negative Ion Mode)	Per sample	4,200	4,200	15 working days	> 10 mg/ 1 mL	1. For customer don't need to analyze with library discount 1,000 baht/sample. 2. In case of sending > 6 samples, make an the appointment to receive the test results within 25 working days.
23	LC-MSMS02	Identification of organic compounds by LC-QTOF-MS (Positive and Negative Ion Modes)	Per sample	6,500	6,500	15 working days	> 10 mg/ 1 mL	1. Customer don't need to analyze with library discount 2,000 baht/sample. 2. In case of sending > 3 samples, make an the appointment to receive the test results within 25 working days.

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
24	LC-MSMS04	Molecular mass of organic compound with direct ESI or APCI mode (scan mass or low resolution) (Positive หรือ Negative Ion Mode)	Per sample	2,000	2,000	8 working days	> 1 mg	
25	LC-MSMS05	Molecular weight determination of organic compounds by Direct Injection QTOF-MS (Positive or Negative Ion Mode) MS.	Per sample	2,000	2,000	8 working days	> 1 mg	
26	LC-MSMS06	Molecular weight determination of organic compounds by Direct Injection QTOF-MS (Positive and Negative Ion Modes) MS.	Per sample	2,500	2,500	8 working days	> 1 mg	
27	LC-MSMS07	Molecular weight and fragmentation analysis of organic compounds by Direct Injection QTOF-MS/MS (Positive or Negative Ion Mode) MS/MS	Per sample	2,800	2,800	8 working days	> 1 mg	
28	LC-MSMS08	Molecular weight and fragmentation analysis of organic compounds by Direct Injection QTOF-MS/MS (Positive and Negative Ion Modes) MS/MS	Per sample	3,200	3,200	8 working days	> 1 mg	
29	LC-MSMS09	Additional interprtation od molecular mass data (Direct LC QTOFMS)	Per sample	200	200	3 working days	-	

รายการเครื่องมือวิจัยทางวิทยาศาสตร์งานทดสอบแยกสารและวิเคราะห์สารประกอบ

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
1	GC-TEA06	Quantitative analysis of 6 compounds of N-Nitrozamine in free powder rubber glove	Per sample	6,000	6,000	15 working days	> 40 pieces	6 compound are N-Nitrosodimethylamine (NDMA), N-Nitrosodiethylamine (NDEA), N-Nitrosodipropylamine (NDPA), N-Nitrosopiperidine (NPIP), N-Nitrosopyrrolidine (NPYR) and N-Nitrosomorpholine (NMOR)
2	GC01	Qualitative analysis of organic compounds	Per sample	1,680	2,800	8 working days	> 10 g/ 10 mL	1.In the case of trial test, charge price in rate of outside PSU and charge set up condition 1,000 baht/ trial task.
3	GC02	Quantitative analysis of 1 organic compound	Per sample	2,160	3,600	8 working days	> 10 g/ 10 mL	1.In the case of trial test, charge price in rate of outside PSU and charge set up condition 1,000 baht/ trial task.
4	GC03	Quantitative analysis of > 1 organic compound (Additional charge from GC02, GC29)	Per compound	600	1,000	8 working days	> 10 g/ 10 mL	1.In the case of trial test, charge price in rate of outside PSU and charge set up condition 1,000 baht/ trial task.

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
5	GC04	Semi quantitative analysis of CO_2, CH_4 (methane), N_2, & H_2	Per sample	1,680	2,800	8 working days	> 10 mL	Semi quantitative analysis of H_2 internal price, PSU 960 baht per sample and the price outside PSU 1,600 baht per sample.
6	GC11	Gas bag	Per sample	1,000	1,000	0 working days	-	
7	GC16	Quantitative analysis of fatty acid in oil	Per sample	3,290	4,700	10 working days	> 1 mL	
8	GC17	Test of ratio of fatty acid in oil	Per sample	1,800	3,000	8 working days	> 1 mL	
9	GC19	Test of purity of ethanol	Per sample	2,520	3,600	6 working days	> 20 mL	
10	GC21	Quantitative analysis of n-hexane in oil	Per sample	1,920	3,200	8 working days	> 20 mL	store in glass container and tightly closed.
11	GC22	Quantitative analysis of iso-propanol in drug tablet	Per sample	1,920	3,200	8 working days	> 20 tablets	packed in tightly container
12	GC23	Quantitative analysis of fluoride (%Wt.) in toothpaste	Per sample	3,600	3,600	11 working days	> 25 g	Contain in a sealed container.
13	GC24	Test of ratio of fatty acid Omega	Per sample	3,000	5,000	8 working days	> 5 mL	1. If the sample is not oil, send it to extract the oil first.
14	GC25	Quantitative analysis of omega fatty acid and other fatty acids in oil	Per sample	3,600	6,000	12 working days	> 5 mL	1. If the sample is not oil, send it to extract the oil first.
15	GC26	Quantitative analysis of 1 volatile organic acid	Per sample	2,160	3,600	8 working days	> 10 g/ 10 mL	Organic acid such as acetic acid, propionic acid, iso-butyric, butyric acid, iso-valeric acid and valeric acid
16	GC27	Quantitative analysis of > 1 organic acid (Additional charge from GC26)	Per compound	600	1,000	10 working days	> 10 g/ 10 mL	Organic acid such as acetic acid, propionic acid, iso-butyric, butyric acid, iso-valeric acid and valeric acid
17	GC28	Quantitative analysis of Promethazine in drug	Per sample	2,160	3,600	8 working days	> 0.5 g	1. Customers are required to bring own standard substance on the day of sample delivery. 2. Samples are packed in sealed containers.
18	GC29	Determination of one organic compound by Headspace GC	Per sample	2,520	3,600	8 working days	> 50 mL, 20 g	1. Ethanol in alcoholic beverage 2. Ethanol in hand sanitizer 3. Ethanol in Cosmetics
19	HPLC01	Qualitative analysis of organic compounds	Per sample	1,120	1,600	8 working days	> 10 g/ 10 mL	1. Trial analyses will be charged at the external service rate, with an additional setup fee of 1,000 THB per project. 2. For ≥ 10 samples, the turnaround time is 12 working days. 3. For ≥ 20 samples, the turnaround time is 15 working days. 4. Samples must be submitted in tightly sealed, light-protective containers.

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
20	HPLC02	Quantitative analysis of 1 organic compound	Per sample	1,920	3,200	8 working days	> 10 g/ 10 mL	1.In the case of trial test, charge price in rate of outside PSU and charge set up condition 1,000 baht/ trial task. 2. Applicable to extract samples only. 3.Customers must provide the reference standard for analysis.
21	HPLC03	Quantitative analysis of 2-4 organic compounds	Per sample	2,520	4,200	8 working days	> 10 g/ 10 mL	1.In the case of trial test, charge price in rate of outside PSU and charge set up condition 1,000 baht/ trial task. 2. Applicable to extract samples only. 3.Customers must provide the reference standard for analysis.
22	HPLC04	Quantitative analysis of > 4 organic compounds (Additional charge from HPLC03)	Per compound	240	400	8 working days	> 10 g / 10 mL	1.In the case of trial test, charge price in rate of outside PSU and charge set up condition 1,000 baht/ trial task.
23	HPLC05	Quantitative analysis of benzoic acid	Per sample	1,920	3,200	8 working days	> 10 g/ 10 mL	
24	HPLC06	Quantitative analysis of benzoic acid & sorbic acid	Per sample	2,520	4,200	8 working days	> 10 g/ 10 mL	
25	HPLC07	Quantitative analysis of xylose/sucrose/fructose/glucose (1 compound)	Per sample	1,920	3,200	8 working days	> 10 g/ 10 mL	1. The solvent in sample must be water only. Does not contain organic solvents, acids and alkalis.
26	HPLC08	Quantitative analysis of glucose, sucrose and fructose	Per sample	2,520	4,200	8 working days	> 10 g/ 10 mL	1. The solvent in sample must be water only. Does not contain organic solvents, acids and alkalis.
27	HPLC09	Quantitative analysis of adenosine and cordycepin in Cordyceps	Per sample	4,200	4,200	8 working days	> 10 g/ 10 mL	
28	HPLC10	Determination of alpha-mangostin in herbal products for pet skin care	Per sample	1,920	3,200	8 working days	> 10 g/ 10 mL	
29	HPLC11	Determination of caffeine in ground coffee	Per sample	1,920	3,200	8 working days	> 5 g / 5 mL	
30	HPLC12	Determination of 5 compounds (benzoic acid, sorbic acid, acesulfame K, saccharin, and caffeine) in health and beauty beverages	Per sample	2,760	4,600	8 working days	> 10 g / 10 mL	
31	HPLC13	Set up condition	Per sample	2,000	2,000	0 working days	> 10 g / 10 mL	

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
32	HPLC21	Quantitative analysis of curcumin and alpha-mangostin in extract	Per sample	2,520	4,200	8 working days	> 5 g/ 5 mL	1. Contain in closed container. 2. Customer must have standard compound. 3. Price of testing of 1 compound (curcumin or alpha-mangostin) refers to HPLC02.
33	HPLC22	Quantitative analysis of Kusunokinin and Piperine in pepper extract	Per sample	2,520	4,200	8 working days	> 5 g/ 5 mL	1. Contain in sealed container or protected from light. 2. Customer must have standard compounds.3. Price of testing of 1 compound (Kusunokinin or Piperine) refers to HPLC02.
34	HPLC24	Qualitattive analysis of Mitragynine	Per sample	2,700	4,500	8 working days	> 10 mL/ 20 g	1. Contained in a sealed container.
35	HPLC25	Quantitative of Mitragynine	Per sample	3,600	6,000	8 working days	> 10 mL/ 20 g	1. Contained in a sealed container. 2. Price Includes sample grinding fee.
36	HPLC26	Quantitative analysis of Andrographolide in *Andrographis paniculata* (Burm.f.) Nees extract	Per sample	1,920	3,200	10 working days	> 10 g / 10 mL	
37	HPLC27	Quantitative analysis of Vitexicarpin in *Vitex rotundifolia* extract and oil	Per sample	1,920	3,200	8 working days	> 5 mL/ 5 g	1. Contain in sealed container and protect from light. 2. Customer must have standard compounds.
38	HPLC28	Quantitative analysis of Hispiludin in *Millingtonia hortensis (Indian cork tree)*	Per sample	1,920	3,200	8 working days	> 5 g/ 5 mL	1. Contain in sealed container or protected from light. 2. Customer must have standard compounds.
39	HPLC29	Quantitative analysis of 6-gingerol in dietary supplement products	Per sample	1,920	3,200	10 working days	> 5 g / 5 mL	1. Contain in sealed container and protect from light. 2. Customer must have standard compounds.
40	HPLC30	Quantitative analysis of Curcumin, Desmethoxycurcumin (DMC) และ ◌Bisdesmethoxycurcumin (BDMC) in turmeric	Per sample	3,120	5,200	10 working days	> 20 mL/ 20 g	1. Contain in sealed container and protect from light.
41	HPLC32	Quantitative analysis of gallic acid and berberine in herbal and extract	Per sample	2,520	4,200	8 working days	> 20 g/ 20 mL	1. Contain in sealed container. 2. Customer must have standard compounds.
42	IC01	Quantitative analysis of ion in water (without sediment) 1. Cation Li^+, Na^+, NH_4^+, K^+, Mg^{2+} และ Ca^{2+} 2. Anion F^-, Cl^-, Br^-, NO_2^-, NO_3^-, PO_4^{3-} และ SO_4^{2-}	per ion	390	650	8 working days	> 100 mL	1. Price per element 2. Contain in closed container.

รายการเครื่องมือวิจัยทางวิทยาศาสตร์งานทดสอบเพื่อหาโครงสร้างทางเคมี

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
1	Color01	Analysis of color	per mode per sample	360	600	5 working days	> 50 g/ 200 mL, sheet i.d. > 1 cm	contained in closed container
2	FT-IR03A	Functional groups or identification of compound (≤ 5 samples)	Per sample	540	900	7 working days	> 2 mg/ sheet size > 10 mm x 10 mm	The appointment date of 10 working days in case of testing with for sample need to extraction preparation.
3	FT-IR03B	Functional groups or identification of compound (> 5 samples)	Per sample	540	900	10 working days	> 2 mg/ sheet size > 10 mm X 10 mm	The appointment date of 10 working days in case of testing with for sample need to extraction preparation.
4	FT-IR04A	Functional groups or identification of compound (≤ 5 samples)	per spectrum	700	1,000	10 working days	> 2 mg	
5	FT-IR04B	Functional groups or identification of compound (> 5 samples)	per spectrum	700	1,000	10 working days	> 2 mg	
6	FT-IR05	Qualitative analysis of impurity of alcohol products	Per sample	400	400	1 working days	> 10 mL	
7	NMR-Plot01	1D-NMR spectrum printing cost	Per sample	20	20	7 working days	-	In case of printing of 2D-NMR charge 20 baht/sample.
8	NMR-SOL01	$CDCl_3$ solvent cost	Per sample	100	100	0 working days	1 mL	
9	NMR-SOL02	DMSO-d_6 solvent cost	Per sample	280	280	0 working days	1 mL	
10	NMR-SOL03	Acetone-d_6 solvent cost	Per sample	320	320	0 working days	1 mL	
11	NMR-SOL04	Methanol-d_4 solvent cost	Per sample	350	350	0 working days	1 mL	
12	NMR-SOL05	D_2O solvent cost	Per sample	200	200	0 working days	1 mL	
13	NMR01	^{1}H-NMR at 1 temperature	Per sample	300	500	5 working days	> 1 mg	1. Additional NMR solvent charge for customers are not prepare sample with NMR solvent in NMR tube. 2. The price does not include printing cost.
14	NMR02	^{1}H-NMR at o> 1 temperature (additional charge from NMR01)	Per sample	120	200	5 working days	> 1 mg	1. Additional NMR solvent charge for customers are not prepare sample with NMR solvent in NMR tube. 2. The price does not include printing cost.

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
15	NMR03	^{13}C-NMR (sample weight > 10 mg)	Per sample	600	1,000	7 working days	> 10 mg	1. Additional NMR solvent charge for customers are not prepare sample with NMR solvent in NMR tube. 2. The price does not include printing cost.
16	NMR04	^{13}C-NMR (sample weight < 10 mg)	Per sample	900	1,500	7 working days	> 1 mg	1. Additional NMR solvent charge for customers are not prepare sample with NMR solvent in NMR tube. 2. The price does not include printing cost.
17	NMR05	DEPT (90, 135) (sample weight > 10 mg)	Per sample	900	1,500	7 working days	> 10 mg	1. Additional NMR solvent charge for customers are not prepare sample with NMR solvent in NMR tube. 2. The price does not include printing cost.
18	NMR06	DEPT (90, 135) (sample weight < 10 mg)	Per sample	1,200	2,000	7 working days	> 1 mg	1. Additional NMR solvent charge for customers are not prepare sample with NMR solvent in NMR tube. 2. The price does not include printing cost.
19	NMR07	DEPTQ (sample weight > 10 mg)	Per sample	900	1,500	7 working days	> 10 mg	1. Additional NMR solvent charge for customers are not prepare sample with NMR solvent in NMR tube. 2. The price does not include printing cost.
20	NMR08	DEPTQ (sample weight < 10 mg)	Per sample	1,200	2,000	7 working days	> 1 mg	1. Additional NMR solvent charge for customers are not prepare sample with NMR solvent in NMR tube. 2. The price does not include printing cost.
21	NMR09	COSY (sample weight > 10 mg)	Per sample	600	900	7 working days	> 10 mg	1. Additional NMR solvent charge for customers are not prepare sample with NMR solvent in NMR tube. 2. The price does not include printing cost.
22	NMR10	COSY (sample weight < 10 mg)	Per sample	900	1,500	7 working days	> 1 mg	1. Additional NMR solvent charge for customers are not prepare sample with NMR solvent in NMR tube. 2. The price does not include printing cost.
23	NMR11	NOESY (sample weight > 10 mg)	Per sample	900	1,500	7 working days	> 10 mg	1. Additional NMR solvent charge for customers are not prepare sample with NMR solvent in NMR tube. 2. The price does not include printing cost.
24	NMR12	NOESY (sample weight < 10 mg)	Per sample	1,200	2,000	7 working days	> 1 mg	1. Additional NMR solvent charge for customers are not prepare sample with NMR solvent in NMR tube. 2. The price does not include printing cost.
25	NMR13	HSQC (sample weight > 10 mg)	Per sample	900	1,500	7 working days	> 10 mg	1. Additional NMR solvent charge for customers are not prepare sample with NMR solvent in NMR tube. 2. The price does not include printing cost.
26	NMR14	HSQC (sample weight < 10 mg)	Per sample	1,200	2,000	7 working days	> 1 mg	1. Additional NMR solvent charge for customers are not prepare sample with NMR solvent in NMR tube. 2. The price does not include printing cost.
27	NMR15	HSQC edited (^{1}H-NMR, DEPT135) (sample weight > 10 mg)	Per sample	900	1,500	7 working days	> 10 mg	1. Additional NMR solvent charge for customers are not prepare sample with NMR solvent in NMR tube. 2. The price does not include printing cost.

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
28	NMR16	HSQC edited (^{1}H-NMR, DEPT 135) (sample weight < 10 mg)	Per sample	1,200	2,000	7 working days	> 1 mg	1. Additional NMR solvent charge for customers are not prepare sample with NMR solvent in NMR tube. 2. The price does not include printing cost.
29	NMR17	HMBC (sample weight > 10 mg)	Per sample	1,200	2,000	7 working days	> 10 mg	1. Additional NMR solvent charge for customers are not prepare sample with NMR solvent in NMR tube. 2. The price does not include printing cost. charge for customers are not prepare sample with NMR solvent in NMR tube.
30	NMR18	HMBC (sample weight < 10 mg)	Per sample	1,500	2,500	7 working days	> 1 mg	1. Additional NMR solvent charge for customers are not prepare sample with NMR solvent in NMR tube. 2. The price does not include printing cost.
31	NMR19	NOEDiff 1 irradiation	Per sample	300	500	7 working days	> 1 mg	1. Additional NMR solvent charge for customers are not prepare sample with NMR solvent in NMR tube. 2. The price does not include printing cost.
32	NMR20	NOEDiff 1 irradiation (additional charge from NMR19)	Per sample	120	200	7 working days	> 1 mg	1. Additional NMR solvent charge for customers are not prepare sample with NMR solvent in NMR tube. 2. The price does not include printing cost.
33	NMR21	TOCSY (sample weight > 10 mg)	Per sample	900	1,500	7 working days	> 10 mg	1. Additional NMR solvent charge for customers are not prepare sample with NMR solvent in NMR tube. 2. The price does not include printing cost.
34	NMR22	TOCSY (sample weight < 10 mg)	Per sample	1,200	2,000	7 working days	> 1 mg	1. Additional NMR solvent charge for customers are not prepare sample with NMR solvent in NMR tube. 2. The price does not include printing cost.
35	NMR23	ROESY (sample weight > 10 mg)	Per sample	900	1,500	7 working days	> 10 mg	1. Additional NMR solvent charge for customers are not prepare sample with NMR solvent in NMR tube. 2. The price does not include printing cost.
36	NMR24	ROESY (sample weight < 10 mg)	Per sample	1,200	2,000	7 working days	> 1 mg	1. Additional NMR solvent charge for customers are not prepare sample with NMR solvent in NMR tube. 2. The price does not include printing cost.
37	NMR25	Water suppression (^{1}H-NMR)	Per sample	420	700	7 working days	> 1 mg	1. Additional NMR solvent charge for customers are not prepare sample with NMR solvent in NMR tube. 2. The price does not include printing cost.
38	NMR26	No D (^{1}H-NMR)	Per sample	420	700	7 working days	> 1 mg	1. Additional NMR solvent charge for customers are not prepare sample with NMR solvent in NMR tube. 2. The price does not include printing cost.
39	NMR27	HMBC, HSQC, COSY, NOESY (sample weight > 10 mg)	Per sample	2,880	4,800	7 working days	> 10 mg	1. Additional NMR solvent charge for customers are not prepare sample with NMR solvent in NMR tube. 2. The price does not include printing cost.

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
40	NMR28	HMBC, HSQC, COSY, NOESY (sample weight	Per sample	3,840	6,400	7 working days	> 1 mg	1. Additional NMR solvent charge for customers are not prepare sample with NMR solvent in NMR tube. 2. The price does not include printing cost.
41	NMR29	DEPTQ, HMBC, HSQC, COSY, NOESY (sample weight > 10 mg)	Per sample	3,600	6,000	7 working days	> 10 mg	1. Additional NMR solvent charge for customers are not prepare sample with NMR solvent in NMR tube. 2. The price does not include printing cost.
42	NMR30	DEPTQ, HMBC, HSQC, COSY, NOESY (sample weight	Per sample	4,800	8,000	7 working days	> 1 mg	1. Additional NMR solvent charge for customers are not prepare sample with NMR solvent in NMR tube. 2. The price does not include printing cost.
43	NMR31	Relative analysis of epoxide in rubber and soy bean	Per sample	420	700	7 working days	> 10 mg	1. Additional $CDCl_3$ solvent charge for customers are not prepare sample in NMR tube. 2. The price does not include printing cost.
44	NMR32	Relative analysis of FAME/ Ester/ Ethyl Ester/ mono-,di-,triglycerides in biodiesel oil	Per sample	720	1,200	7 working days	> 10 mg	1. Additional $CDCl_3$ solvent charge for customers are not prepare sample in NMR tube. 2. The price does not include printing cost.
45	NMR33	^{31}P-NMR (Sample weight > 10 mg)	Per sample	900	1,500	7 working days	> 10 mg	1. Sample must including of P in its structure. 2. Additional NMR solvent charge for customers are not prepare sample with NMR solvent in NMR tube. 3. The price does not include printing cost.
46	NMR34	^{31}P-NMR (Sample weight < 10 mg)	Per sample	1,200	2,000	7 working days	> 1 mg	1. Sample must including of P in its structure. 2. Additional NMR solvent charge for customers are not prepare sample with NMR solvent in NMR tube. 3. The price does not include printing cost.
47	NMR35	Quantitative analysis of organic compound with qNMR technique	Per sample	1,200	1,200	7 working days	> 5 mg	1. Pack the sample in a sealed container.
48	NMR36	DOSY or DOSY water suppression (sample weight > 10 mg)	Per sample	900	1,500	7 working days	> 10 mg	1. Additional NMR solvent charge for customers are not prepare sample with NMR solvent in NMR tube. 2. The price does not include printing cost.
49	NMR36	DOSY or DOSY water suppression (sample weight > 10 mg)	Per bag	900	1,500	7 working days	> 10 mg	1. Additional NMR solvent charge for customers are not prepare sample with NMR solvent in NMR tube. 2. The price does not include printing cost.
50	NMR37	DOSY or DOSY water suppression (sample weight	Per sample	1,200	2,000	7 working days	< 10 mg	1. Additional NMR solvent charge for customers are not prepare sample with NMR solvent in NMR tube. 2. The price does not include printing cost.

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
51	Raman01	Single point analysis	Per sample	700	700	8 working days	> 1 g/ 30 mL/sheet size > 50 mm x 50 mm	Microplastics: 1–5 samples: 11 working days; 6–10 samples: 15 working days.
52	Raman02	Analysis of XY Mapping, XZ Mapping, XY-Z Imaging and XYZ-Mapping modes	Per hour	800	800	15 working days	> 10 mg/ 2 mL/ (1x1x1) cm	1. 2. > 30 minutes = charge 1 hour
53	Raman03	Analysis of single point with interpretation or comparison result from library	Per sample	900	900	15 working days	> 10 g/ 2 mL/ (1x1x1) cm	
54	Raman04	Analysis of XY Averaging, X-Line point Z, XY Imaging, XZ Imaging modes	Per sample	600	600	15 working days	> 10 mg/ 2 mL/ (1x1x1) cm	
55	Raman05	Analysis of XY Averaging, X-Line point Z, XY Imaging, XZ Imaging modes with interpretation or comparison result from library	Per sample	1,000	1,000	15 working days	> 10 mg/ 2 mL/ (1x1x1) cm	
56	Raman06	Analysis of auto particle measurement	Per sample	1,000	1,000	15 working days	> 10 mg/ 2 mL/ (1x1x1) cm	
57	XRD01	Identification of compounds without interpretation of XRD spectrum	Per sample	510	850	7 working days	> 1 g/ sheet thickness < 0.4 cm, i.d. > 32 mm	The appointment date 10 working days to receive test result in case of sending > 10 samples.

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
58	XRD02	Identification of compounds of XRD spectrum	Per sample	780	1,300	10 working days	> 1 g/ sheet thickness < 0.4 cm, i.d. > 32 mm	
59	XRD03	Identification of compounds and calculation of % crystallinity	Per sample	900	1,500	11 working days	> 1 g/ sheet thickness < 0.4 cm, i.d. > 32 mm	
60	XRD04	Additional test time 41-90 minutes (additional charge from XRD01-XRD03)	Per sample	500	500	7 working days	> 1 g/ sheet thickness < 0.4 cm, i.d. > 32 mm	
61	XRD05	Additional test time 91-150 minutes (additional charge from XRD01-XRD03)	Per sample	1,000	1,000	7 working days	> 1 g/ sheet thickness < 0.4 cm, i.d. > 32 mm	
62	XRD07	Additional data of identification of compounds (XRD)	Per sample	270	450	3 working days	-	
63	XRD08	Additional data of % crystallinity of compounds (XRD) in case of no interpretation data	Per sample	390	650	3 working days	-	
64	XRD09	Additional data of % crystallinity of compounds (XRD) in case of there is interpretation data	Per sample	120	200	3 working days	-	

รายการเครื่องมือวิจัยทางวิทยาศาสตร์งานทดสอบหาปริมาณธาตุและค่าความร้อน

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
1	Biochar01	Determination of As and Cd in biochar	Per sample	1,800	1,800	8 working days	50 g	
2	Biochar02	Determination of 10 elements in biochar (Ca, Cr, Cu, Fe, K, Mg, Ni, P, Pb, and Zn)	Per sample	4,200	7,000	11 working days	> 10 g	
3	BOMB01	Analysis of gross heating value (As received basis)	Per sample	840	1,400	7 working days	> 5 g	For liquid sample without water
4	BOMB02	Analysis of gross heating value (As air dried basis)	Per sample	840	1,400	10 working days	> 5 g	Preparation of sample by air dried loss (not include in price)
5	BOMB03	Analysis of gross heating value (As dried basis)	Per sample	840	1,400	10 working days	> 5 g	Preparation sample by dried sample (not include in price)
6	BOMB04	Analysis of net heating value (As received basis)	Per sample	2,140	3,300	10 working days	> 5 g	1. Preparation sample by dried sample 2. Test of %H (as dried basis) with CHNS/O analyzer
7	BOMB05	Analysis of net heating value (as air dried basis)	Per sample	2,140	3,300	10 working days	> 5 g	1. Preparation sample by air dried loss 2. Test of %H (as air dried basis) with CHNS/O analyzer 3. Including of preparation charge 400 baht/sample
8	BOMB06	Analysis of net heating value (As dried basis)	Per sample	2,140	3,300	10 working days	> 5 g	1. Preparation sample by dried sample 2. Test of %H (as dried basis) with CHNS/O analyzer 3. including of dried sample charge 400 baht/sample
9	CHNS-O01	Quantitative analysis of %CHN	Per sample	1,380	2,300	6 working days	> 30 mg/ 2 mL	1. Arrange the appointment date 10 working days in case of sample need to preparation or sending > 10 samples. 2. Homogeneous sample - No repeat for non-homogeneous sample and liquid sample 3. Suitable for small sample sizes (30 mg).
10	CHNS-O02	Quantitative analysis of % CHNS	Per sample	1,380	2,300	6 working days	> 30 mg/ 2 mL	1. Arrange to receive test results 10 working days in case of sending samples need to preparation or sending of samples > 10 samples. 2. Homogeneous sample - No repeat for non-homogeneous sample and liquid sample
11	CHNS-O03	Quantitative analysis of %O	Per sample	1,200	2,000	6 working days	> 30 mg/ 2 mL	1. Arrange the appointment date 10 working days in case of sample need to preparation or sending > 10 samples. 2. Homogeneous sample - No repeat for non-homogeneous sample and liquid sample

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
12	CHNS-O04	Quantitative analysis of %CHN และ %O	Per sample	2,580	4,300	8 working days	> 30 mg/ 2 mL	1. Arrange the appointment date 10 working days in case of sample need to preparation or sending > 10 samples. 2. Homogeneous sample 3. No repeat for non-homogeneous sample and liquid sample.
13	CHNS-O05	Quantitative analysis of %CHNS, %O, and heating value (gross heating value and net heating value)	Per sample	2,580	4,300	8 working days	> 30 mg/ 2 mL	1. Arrange the appointment date 10 working days in case of sample need to preparation or sending > 10 samples. 2. Homogeneous sample 3. No repeat for non-homogeneous sample and liquid sample
14	CHNS-O06	Quantitative analysis of % CHNS of TMTD	Per sample	1,380	2,300	6 working days	> 1 g	1. Arrange the appointment date 10 working days in case of sample need to preparation or sending > 10 samples. 2. Homogeneous sample 3. Attached COA (Certificate of Analysis) or X-Ray Diffractometer analysis for identification of compound
15	CHNS-O08	Quantitative analysis of % N of DAP	Per sample	1,380	2,300	6 working days	> 1 g	1. Arrange the appointment date 10 working days in case of sample need to preparation or sending > 10 samples. 2. Homogeneous sample 3. Attached COA (Certificate of Analysis) or XRD analysis for identification of compound
16	CHNS-O09	Quantitative analysis of % protein	Per sample	1,380	2,300	6 working days	> 30 mg/ 2 mL	1. For sending samples ≤ 10 samples 2. Need to have protein factor value 3. Dried and homogeneous sample
17	CHNS-O10	Quantitative analysis of % Protein	Per sample	1,380	2,300	10 working days	> 30 mg/ 2 mL	1. For sending samples > 10 samples 2. Need to have protein factor value
18	CHNS-O10	Quantitative analysis of % protein	Per sample	1,380	2,300	10 working days	> 30 mg/ 2 mL	1. For sending samples >10 samples 2. Need to have protein factor value 3. Dried and homogeneous sample
19	CHNS-O11	Hydrogen Content (%H) Analysis for NHV	Per sample	1,500	1,500	10 working days	> 1 g	1. Includes drying process (Service Code: BIOMASS03), charged per sample. 2. The sample must be homogeneous.

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
20	DirectMercury01	Quantitative analysis of mercury of liquid and solid (without preparation)	Per sample	600	1,000	8 working days	> 10 mL/ 10 g	1. Sample is homogeneous test 2 times (n-2, %RSD 20%). 2. During delivery, sample should be contained in sealed glass or polyethylene bottle.Sample should contain in glass bottle or polyethylene bottle or other optimized containers. 3. No preparation of sample 4. Samples have strong acid or strong base ≤1% concentration. 5. Send sample blank for digested sample (if possible)
21	DirectMercury02	Quantitative analysis of mercury of well water and waste water (dissolved in water only)	Per sample	600	1,000	8 working days	> 10 mL	1. Sample should fix sample with nitric acid to pH ≤2 immediately after storage 2. Contained sample in glass bottle or polyethylene bottle and keep it in cold condition 2 °C-10 °C 3. Test ≥ 2 repeat (n=2, %RSD
22	DirectMercury03	Quantitative analysis of mercury in liquid (included suspended solids)	Per sample	840	1,400	8 working days	> 10 mL	1. Sample should fix sample with nitric acid to pH ≤2 immediately after storage 2. Contained sample in glass bottle or polyethylene bottle and keep it in cold condition 2 °C-10 °C 3. Test ≥ 2 repeat (n=2, %RSD
23	DirectMercury04	Quantitative analysis of mercury in sea water	Per sample	1,200	2,000	8 working days	> 10 mL	1. Sample should fix sample with nitric acid to pH ≤2 immediately after storage 2. Contained sample in glass bottle or polyethylene bottle and keep it in cold condition 2 °C-10 °C 3. Test ≥ 2 repeat (n=2, %RSD
24	ICP-MS01	Quantitative analysis of element of liquid without digestion	Per element	700	700	8 working days	> 50 mL	1. Sample can contain including HNO_3, HCl, H_2SO_4, H_3PO_4 and $HClO_4$ < 3% v/v without HF and organic solvents. 2. Sending with sample blank except drinking water, distilled water and DI water. 3. Keep sample in cold condition 2 °C-10 °C 4. Homogeneous sample 5. Contained in closed container. 6. Test 2 replicates per sample from a single preparation.

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
25	ICP-MS02	Quantitative analysis of element of sample with digestion	Per element	900	900	11 working days	> 50 mL / 50 g	1. Homogeneous sample for non homogeneous sample test 1 time. 2. Contained sample in optimized and closed container. 3. Test 2 replicates per sample from 2 sample preparations for every 10% of the sample amount. The other samples in the sample test are tested 2 times from a single preparation.
26	ICP-MS02	Quantitative analysis of element of sample with digestion	Per element	900	900	11 working days	> 50 mL / 50 g	
27	ICP-MS03	≥10 samples requiring digestion (single batch submission). (ICP-MS02)	Per element	700	700	11 working days	> 50 mL / 50 g	
28	ICP-MS04	Quantitative analysis of As, Se, Pb and Cd in water (dissolved in water only)	Per sample	2,800	2,800	8 working days	> 100 mL	1. Good water such as drinking water, raw water, tap water and filtered water etc.The sample must be clear and colorless. 2. Sample should be fixed with nitric acid (ultrapure grade) to pH ≤2 within 6 hours after keeping sample. 3. Sample should contain in cold condition 2 °C-10 °C. 4. Contained in optimized and close container 5. Testing of dissolved in water only without suspension 6. In the case of sending > 10 samples at the same time, charge is 500 baht per element.
29	ICP-MS05	≥10 liquid samples without sample preparation (single batch submission, ICP-MS01).	Per sample	500	500	8 working days	> 50 mL	ICP-MS01
30	ICP-MS07	Quantitative analysis of Fe, Cu, As and Pb in crude palm oil	Per sample	3,600	3,600	8 working days	> 15 mL/ 10 g	1. When delivery sample, it should be contained in sealed glass bottle. 2. Test 2 replicates per sample from a single preparation. 3. In the case of sending > 10 samples at the same time, charge is 3,300 baht per sample.
31	ICP-MS08	Screening of elements or heavy metals without sample preparation	Per sample	1,000	1,000	7 working days	> 10 mL	1. When delivery sample, it should be contained in optimized and closed container. 2. In the case of sending > 10 samples at the same time, charge is 900 baht per sample.

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
32	ICP-MS09	Screening of elements or heavy metals with sample digestion	Per sample	1,250	1,250	14 working days	> 10 g/ 10 mL	1. When delivery sample, it should be contained in optimized and closed container. 2. In the case of sending > 10 samples at the same time, charge is 1,100 baht per sample.
33	ICP-OES01	Quantitative analysis of liquid (without digestion)	Per element	300	500	8 working days	> 50 mL	1. sample without digestion 2. Double charge for sea water 3. ≥ 5 elements, >5 samples: 250 THB/element (PSU), 400 THB/element (external)
34	ICP-OES02	Quantitative analysis of solid or liquid (need to digestion)	Per element	420	700	11 working days	> 10 g	1. Dried basis analysis 2. Dried sample before analysis 3. Samples such as herb, chemical, suspension, mud and waste water, etc. 4. In case of sample can not digest to homogeneous solution, charge digestion fee 250 baht/sample.
35	ICP-OES02	Quantitative analysis of solid or liquid (need to digestion)	Per element	420	700	11 working days	> 10 g	
36	ICP-OES03	For 10 or more samples submitted in a single batch (determination of one elements). (need to digestion)	Per element	380	630	0 working days	-	
37	ICP-OES04	For 6 or more samples submitted in a single batch for the determination of 5 or more elements. (need to digestion)	Per element	350	600	11 working days	> 10 g	
38	ICP-OES05	For 10 or more non-digested samples submitted in a single batch	Per element	270	450	11 working days	> 5 mL	
39	ICP-OES06	Quantitative of Ca hardness of raw water and drinking water	Per sample	300	500	8 working days	> 50 mL	1. sample without digestion 2. Double charge for sea water 3. In the case of sending > 10 samples, charge 270 baht/element (inside PSU) and charge 450 baht/element (outside PSU).
40	ICP-OES07	Quantitative of Mg hardness of raw water and drinking water	Per sample	300	500	8 working days	> 50 mL	1.sample without digestion 2. Double charge for sea water 3. In the case of sending > 10 samples, charge 270 baht/element (inside PSU) and charge 450 baht/element (outside PSU).
41	ICP-OES08	Determination of elements in seawater (without digestion)	Per element	600	1,000	8 working days	> 50 mL	

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
42	ICP-OES13	Quantitative analysis of As, Cd, Cr, Mn, Ni, Pb and Se in soil	Per sample	2,940	4,900	11 working days	> 50 g	1. Dried basis analysis 2. Dried sample before analysis 3. Samples such as herb, chemical, suspension, mud and waste water, etc. 4. In the case of sending > 10 samples, charge 2,640 baht/sample (inside PSU) and charge 4,400 bah/sample (outside PSU).
43	ICP-OES14	Quantitative analysis of solid or liquid (non digestion)	Per sample	1,000	1,000	11 working days	> 50 mL in HNO3 or HCl < 10%	1. Samples must be homogeneous in acid (e.g., 10% HCl). Duplicate testing every 10 samples. 2. 10% discount for 5 or more samples under the same service request.
44	ICP-OES15	Quantitative analysis of solid or liquid (need to digestion)	Per sample	1,500	1,500	12 working days	> 50 mL, 10 g	1. Samples must be homogeneous. Duplicate testing every 10 samples. 2. 10% discount for ≥ 5 samples per service request. 3. 20% discount for ≥ 10 samples per service request.
45	ICP-OES16	The heavy metal content in latex was tested as %TSC, including Mn, Cu, and Zn.	Per element	420	700	11 working days	100 mL	
46	Macro CHNS01	Quantitative analysis of %CHN	Per sample	1,380	2,300	7 working days	> 5 g/ 10 mL	For sending samples ≤ 10 samples
47	Macro CHNS02	Quantitative analysis of % CHN	Per sample	1,380	2,300	10 working days	> 5 g/ 10 mL	For sending samples > 10 samples
48	Macro CHNS03	Quantitative analysis of % S	Per sample	1,400	2,000	7 working days	> 5 g/ 10 mL	For sending sample ≤ 10 samples
49	Macro CHNS04	Quantitative analysis of % S	Per sample	1,400	2,000	10 working days	> 5 g/ 10 mL	For sending samples > 10 samples
50	Macro CHNS05	Quantitative analysis of %CHNS	Per sample	2,580	4,300	10 working days	> 5 g/ 10 mL	For sending samples ≤ 10 samples
51	Macro CHNS06	Quantitative analysis of %CHNS	Per sample	2,580	4,300	15 working days	> 5 g/ 10 mL	For sending samples > 10 samples
52	Macro CHNS07	Quantitative analysis of % Protein	Per sample	1,380	2,300	7 working days	> 5 g/ 10 mL	1. In the case if sending samples > 10 samples, make appointment to received the test report 10 working days. 2. Must have protein factor value and sample must be homogeneous.

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
53	Macro CHNS08	Quantitative analysis of % Protein	Per sample	1,380	2,300	10 working days	> 5 g/ 10 mL	1. In the case if sending samples > 10 samples, make appointment to received the test report 10 working days. 2. Must have protein factor value and sample must be homogeneous.
54	Macro CHNS09	Hydrogen Content (%H) Analysis for NHV	Per sample	1,500	1,500	10 working days	> 5 g	1. Includes drying process (Service Code: BIOMASS03), charged per sample. 2. The sample must be homogeneous.
55	MERCURY01	Quantitative analysis of mercury of liquid without digestion with cold-vapor atomic absorption spectrometry (CVAAS)	Per sample	600	1,000	8 working days	> 50 mL	1. Homogeneous sample 2. At least 2 repeat of testing 3. Sample such as oil, food and beverage etc.
56	MERCURY02	Quantitative analysis of mercury of solid with cold-vapor atomic absorption spectrometry (CVAAS)	Per sample	840	1,400	14 working days	> 10 g	1. Homogeneous sample 2. At least 2 repeat of testing 3. Sample such as herb, chemicals, wood, leaf, soil, mud and sludge etc.
57	MERCURY03	Quantitative analysis of mercury of well water with cold-vapor atomic absorption spectrometry (CVAAS)	Per sample	600	1,000	8 working days	> 100 mL	1. Sample should be fixed with nitric acid (Ultrapure grade) to pH ≤ 2 after keeping sample. 2. Sample should contain in glass or polyethylene container and keep it in 2 °C-10 °C. 3. At least 2 repeat of testing
58	MERCURY04	Quantitative analysis of mercury of waste water with cold-vapor atomic absorption spectrometry (CVAAS)	Per sample	600	1,000	8 working days	> 100 mL	1. Sample should be fixed with nitric acid (Ultra pure grade) to pH ≤2 after keeping sample. 2. Sample should contain in glass or polyethylene container and keep it in 2 °C-10 °C. 3. At least 2 repeat of testing
59	MERCURY06	Quantitative analysis of mercury of vegetable and fruit with cold-vapor atomic absorption spectrometry (CVAAS)	Per sample	840	1,400	14 working days	> 10 g	1. Homogeneous sample 2. At least 2 repeat of testing
60	MERCURY07	Quantitative analysis of mercury of chemical fertilizer with cold-vapor atomic absorption spectrometry (CVAAS)	Per sample	840	1,400	14 working days	> 10 g	1. Homogeneous sample 2. At least 2 repeat of testing
61	MERCURY08	Quantitative analysis of mercury of soil with cold-vapor atomic absorption spectrometry (CVAAS)	Per sample	840	1,400	14 working days	> 10 g	1. Homogeneous sample 2. At least 2 repeat of testing
62	MERCURY09	Quantitative analysis of mercury of extract with cold-vapor atomic absorption spectrometry (CVAAS)	Per sample	600	1,000	8 working days	> 20 mL	1. Sample are homogeneous, clear and colorless. 2. Sample without digestion or preparation 3. 3 repeat of testing and sample blank 4. Solvents are water and acid except HF (≤ 5% by weight) 5. Don't allow fill Au in sample.

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
63	MERCURY10	Quantitative analysis of mercury of sea water (dissolved part) ด้วยเทคนิคwith cold-vapor atomic absorption spectrometry (CVAAS)	Per sample	1,200	2,000	10 working days	> 10 mL	1. Sample should be fixed with nitric acid (Ultra pure grade) to pH ≤ 2 after keeping sample. 2. Sample should contain in glass or polyethylene container and keep it in 2 °C-10 °C. 3. At least 2 repeat of testing 4. Sample is diluted 2 time before testing.
64	SINOIL01	Quantitative analysis of sulfur in oil	Per sample	1,500	1,500	7 working days	> 20 mL	1. Need to bring sulfur standard in oil.
65	TOC-LIQUID01	Quantitative analysis of total carbon (TC) of liquid sample	Per sample	360	600	8 working days	> 100 mL	1. Triplicate analysis - Double charge of outside PSU service charge for sea water 2. In the case of sample must be prepare before test, the actual sample preparation and consumables will be charge.
66	TOC-LIQUID02	Quantitative analysis of total inorganic carbon (TIC) of liquid sample	Per sample	360	600	8 working days	> 100 mL	1. Triplicate analysis 2. Double charge of outside PSU service charge for sea water 3. In the case of sample must be prepare before test, the actual sample preparation and consumables will be charge.
67	TOC-LIQUID03	Quantitative analysis of total organic carbon (TOC) of liquid sample	Per sample	720	1,200	8 working days	> 100 mL	1. Triplicate analysis 2. Double charge of outside PSU service charge for sea water. 3. In the case of sample must be prepare before test, the actual sample preparation and consumables will be charge.
68	TOC-LIQUID04	Quantitative analysis of total nitrogen (TN) of liquid sample	Per sample	360	600	8 working days	> 100 mL	1. Triplicate analysis 2. Double charge of outside PSU service charge for sea water. 3. In the case of sample must be prepare before test, the actual sample preparation and consumables will be charge.
69	TOC-SOLID01	Quantitative analysis of total carbon (TC) of solid sample	Per sample	450	750	8 working days	> 1 g	1. 1 repeat test/sample 2. In the case of sample must be prepare before test, the actual sample preparation and consumables will be charge. 3. Homogeneous sample

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
70	TOC-SOLID02	Quantitative analysis of total inorganic carbon (TIC) of solid sample	Per sample	450	750	8 working days	> 1 g	1. 1 repeat test/sample 2. In the case of sample must be prepare before test, the actual sample preparation and consumables will be charge. 3. Homogeneous sample
71	TOC-SOLID03	Quantitative analysis of total organic carbon (TOC) of solid sample	Per sample	840	1,400	10 working days	> 1 g	
72	XRF01	Semi-qualitative analysis of elements from F to U	Per sample	720	1,200	7 working days	> 1 table spoon/ 0.5 mL	Samples do not need to burned such as pieces of metal, solder, cat iron, some metal ores, etc.
73	XRF02	Semi quantitative analysis of elements from F to U by combustion with TGA	Per sample	1,110	1,850	9 working days	> 1 table spoon/ 0.5 mL	1. For testing with preparation with TGA
74	XRF05	Quantitative analysis of elements with CRM (limestone/ Dolomite/ Feldspar/Kaolin/Gypsum)	Per sample	1,140	1,900	9 working days	> 1 table spoon/ i.d.1.5 cm	1. The appointment date 10 working days to receive test result in case of quantitative analysis no details of testing conditions or the need to prepare sample prior to testing. 2. List of CRM: Low Alloy Steel, Austenitic Steel, Al/Mg (CAST), Al/Si/Cu (CAST) Gun Metal (CHILL CAST), Leaded Bronze (CHILL CAST), Leaded Brass (CHILL CAST) Aluminium Bronze (CHILL CAST), Feldspar, Ball Clay, Kaolinite and Limestone, Stainless Steel
75	XRF06	Quantitative anlysis of %TiO_2	Per sample	1,450	1,450	7 working days	> 1 table spoon	
76	XRF07	Quantitative analysis of % ZnO	Per sample	1,450	1,450	7 working days	> 1 table spoon	
77	XRF08	Preparation with furnace	Per sample	650	650	9 working days	> 500 g	**refer wet-lab-Ash for XRF**
78	XRF09	Calibration Curve Preparation (using CRM/RM standards)	Per list	1,000	1,000	9 working days	> 10 g	1. Outer Diameter (O.D.) size 45–50 mm per sample. 2. Must have at least 3 concentration levels for each element.
79	XRF10	Quantitative Elemental Analysis (with customer-supplied CRM/RM)	Per sample	900	1,500	9 working days	> 10 g	1. Outer Diameter (O.D.) size 45–50 mm per sample. 2. Must have at least 3 concentration levels for each element.

รายการเครื่องมือวิจัยทางวิทยาศาสตร์งานทดสอบเคมีทั่วไป

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
1	BOD ANALYZER 01	Quantitative analysis of dissolved oxygen in water (DO)	Per sample	300	300	5 working days	well water; > 2L, waste water; > 300 mL	For sea water charge 450 baht/sample
2	BOD ANALYZER 02	Quantitative analysis of biochemical oxygen demand in water (BOD)	Per sample	350	350	7 working days	well water > 2L, waste water > 300 mL	1. Arrange to receive test results 10 working days in case of sending sample on Monday, Tuesday, Friday and Saturday. 2. For sea water charge 500 baht/sample
3	CONDUCT01	Analysis of conductivity	Per sample	200	200	5 working days	> 10 g/ 50 mL	
4	CONDUCT02	Determination of electrical conductivity in solid samples	Per sample	500	500	5 working days	> 10 g	
5	Fat01	Quantitative analysis of crude fats	Per sample	800	800	7 working days	> 50 mL/ 50 g	1. The sample is the homogeneous or fine powder. 2. The sample contains in a closed container.
6	Fat02	Quantitative analysis if total fats	Per sample	1,200	1,200	7 working days	> 50 mL / 50 g	1. The sample is the homogeneous or fine powder. 2.The sample contains in a closed container.
7	FLUORO01	Qualitative analysis of compounds (for Spectra Measurement mode and Fixed wavelength measurement mode)	Per sample	480	800	7 working days	> 50 mL	1. Sample must be homogeneous clear and without sediment. 2. Delivery with solvent and sample blank. 3. Repeat the test 3 times.
8	FLUORO02	Quantitative analysis of compounds	Per sample	960	1,600	7 working days	> 50 mL	1. Sample must be homogeneous clear and without sediment. 2. Delivery with solvent and sample blank. 3. Repeat the test 3 times.
9	FLUORO03	Qualitative analysis of compounds (3-D Spectra Measurement mode and Time course Measurement mode)	Per sample	600	1,000	7 working days	> 50 mL	1. Sample must be homogeneous clear and without sediment. 2. Delivery with solvent and sample blank. 3. Repeat the test 3 times.

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
10	KFC01	Quantitative analysis of water	Per sample	800	800	7 working days	> 30 mL	For dark oil charge 1000 baht/sample
11	KFV01	Quantitative analysis of water in liquid	Per sample	800	800	7 working days	> 10 mL	Close the lid tightly
12	KFV02	Quantitative analysis of water in solid	Per sample	1,000	1,000	7 working days	> 10 g	Close the lid tightly
13	MOISTURE01	Quantitative analysis of moisture	Per sample	400	400	5 working days	> 30 g/ 30 mL	1. Homogeneous sample 2. Contained in closed container
14	Nitrogen01	Quantitative analysis of total Kjeldahl nitrogen (TKN) in water	Per sample	1,000	1,000	7 working days	> 300 mL	The sample contains in a closed container.
15	Nitrogen02	Quantitative analysis of ammonia-nitrogen in water and liquid	Per sample	1,000	1,000	7 working days	> 300 mL	The sample contains in a closed container.
16	Nitrogen03	Quantitative analysis of nitrogen in liquid and solid	Per sample	1,000	1,000	7 working days	> 300 mL/ 30 g	The sample contains in a closed container.
17	Nitrogen04	Quantitative analysis of protein in liquid and solid	Per sample	1,200	1,200	7 working days	> 300 mL/ 30 g	1. The sample contains in a closed container. 2. Except for samples of latex, rubber and all types of rubber products.
18	Nitrogen05	Quantitative analysis of organic-nitrogen in water	Per sample	1,200	1,200	7 working days	> 600 mL	The sample contains in a closed container.
19	Nitrogen06	Quantitative analysis of total volatile basic nitrogen (TVB-N)	Per sample	1,800	1,800	7 working days	> 50 mL	The sample contains in a closed container.
20	Nutreint01	Quantitative analysis of nutrition such as moisture, ash, fat, protein, carbohydrate and total calories energy	Per sample	3,500	3,500	10 working days	> 500 g (Fresh)/50 g (Dry)	1. For dry sample should be kept in a sealed container. 2. For fresh sample should be kept in a sealed and cold container. 3. homogeneous sample 4. Total rate of preliminary sample preparation.
21	pH01	Determination of pH in potable water and wastewater	Per sample	200	200	5 working days	> 10 g/ 50 mL	
22	pH02	Test of pH in latex, chemical, gel, fertilizer, soil, acidic basic solution	Per sample	400	400	5 working days	> 50 mg/ 100 mL	1. In case of solid sample, the sample is prepared by dissolving in water at a ratio of 1:10. 2. Contain sample in a sealed container.
23	PHARO01	Quantitative analysis of COD in water	Per sample	350	350	7 working days	> 50 mL	
24	PHARO02	Quantitative analysis of chloride in water	Per sample	400	400	7 working days	> 50 mL	
25	PHARO03	Quantitative analysis of nitrate in water	Per sample	450	450	7 working days	> 50 mL	
26	PHARO04	Quantitative analysis of sulfate in water	Per sample	450	450	7 working days	> 50 mL	
27	PHARO05	Quantitative analysis of fluoride in water	Per sample	500	500	7 working days	> 50 mL	
28	PHARO06	Analysis of color in water	Per sample	150	150	7 working days	> 50 mL	

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
29	PHARO07	Quantitative analysis of turbidity in water	Per sample	150	150	7 working days	> 50 mL	
30	PHARO10	Quantitative analysis of phenol of liquid	Per sample	450	450	7 working days	> 200 mL	
31	PHARO11	Quantitative analysis of formaldehyde of liquid	Per sample	450	450	7 working days	> 50 mL	
32	PHARO12	Quantitative analysis of sulfide of liquid	Per sample	450	450	7 working days	> 50 mL	
33	PHARO14	Quantitative analysis of cyanide of liquid	Per sample	350	350	7 working days	> 50 mL	
34	PHARO17	Quantitative analysis of nitrate in bird nest	Per sample	550	550	7 working days	> 50 g	
35	PHARO20	Quantitative analysis of soluble COD in water	Per sample	400	400	7 working days	> 50 mL	
36	PHARO23	Quantitative analysis of alkyl benzene sulfonate (ABS) in water	Per sample	550	550	7 working days	> 50 mL	
37	PHARO25	Quantitative analysis of sulfite of solid	Per sample	550	550	7 working days	> 50 g	
38	PHARO26	Quantitative analysis of sulfide of solid	Per sample	550	550	7 working days	> 50 g	
39	PHARO27	Quantitative analysis of formaldehyde of solid	Per sample	500	500	7 working days	> 50 g	
40	PHARO29	Quantitative analysis of free residual chlorine in water	Per sample	350	350	7 working days	> 50 mL	
41	PHARO30	Quantitative analysis of total residual chlorine in water	Per sample	350	350	7 working days	> 50 mL	
42	PHARO31	Quantitative analysis of combined chlorine in water	Per sample	700	700	7 working days	> 50 mL	
43	PHARO32	Quantitative analysis of formaldehyde in rubber pillow	Per sample	2,000	2,000	10 working days	> 100 g	
44	PHARO33	Quantitative analysis of color in water (ADMI unit)	Per sample	500	500	7 working days	> 500 mL	
45	PHARO35	Quantitative analysis of cyanuric acid in swimming pool water	Per sample	500	500	7 working days	> 50 mL	1. No repeat 2. Test the sample within 24 hours after receiving it. 3. Contain sample in closed container, cover the light-shielding foil and specify name of sample clearly. 4. While delivering the sample should be refrigerated.
46	PREP01	Sample preparation: Drying and grinding	Per sample	650	650	4 working days	> 100 g	
47	RAPID PROTIEN 01	Quantitative analysis of true protein	Per sample	720	1,200	6 working days	> 10 g/ 10 mL	1. Homogeneous sample 2. 2 repeat testing

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
48	RAW FIBER EXTRACTOR01	Quantitative analysis of crude fiber	Per sample	2,500	2,500	7 working days	> 20 g	1. Sample must dry and size < 1 mm. 2. In the case of wet sample and in appropriated size must be prepare sample before testing, charge 650 baht/sample. 3. Contained in closed container. 4. In case of sending of sample > 2 samples, make an appointment to receive test report increasing from 7 working days for every 2 samples. 5. Must test sample following RAW FIBER EXTRACTOR 02
49	RAW FIBER EXTRACTOR02	Quantitative analysis of Lignocellulose, Hemicellulose, Cellulose and Lignin	Per sample	2,500	2,500	7 working days	> 20 g	1. Sample must dry and size 2. In the case of wet sample and in appropriated size must be prepare sample before testing, charge 650 baht/sample. 3. Contained in closed container. 4. In case of sending of sample > 2 samples, make an appointment to receive test report increasing from 7 working days for every 2 samples. 5. Must test sample following RAW FIBER EXTRACTOR 01
50	SEM05	Line scan analysis of elements	Area	570	950	8 working days	10 mg	
51	Sieve01	Test of amount of substance remaining on the sieve from screening according to the size on the sieve no more than 3 sizes	Per sample	400	400	7 working days	> 1 kg	1. sieve no.: 4, 8, 16, 20, 30, 50, 60, 70, 100, 140, 200, 230, 325 and 400 2. Price/sample/repeat/time
52	Sieve02	Test of amount of chemical remaining on the sieve 45 micron (No. 325) by wet process according to TIS 221/2015	Per sample	400	400	7 working days	> 500 g	
53	Sieve03	Particle Size Separation (up to 3 sieve sizes)	Per sample	200	200	7 working days	> 1 Kg	Price/sample/repeat/time
54	SOLVENT_EXTRACTION01	Quantitative analysis of crude fats	Per sample	600	600	8 working days	> 10 g	1. Analysis based on dried basis 2. Dried sample before analysis for wet sample (additional charge 400 baht/sample) 3. Contained sample in closed container.
55	TITRATE01	Analysis of total base number and total acid number (TBN and TAN)	Per sample	800	800	7 working days	> 120 mL	
56	TITRATE03	Quantitative analysis of free fatty acid (FFA) in oil	Per sample	600	600	7 working days	> 100 mL	For dark oil
57	TITRATE04	Quantitative analysis of acid value in oil	Per sample	600	600	7 working days	> 100 mL	For dark oil

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
58	UV01	Qualitative analysis of solution	Per sample	420	700	5 working days	> 10 g/ 5 mL	
59	UV02	Quantitative analysis of solution	Per sample	600	1,000	5 working days	> 10 g/ 5 mL	
60	UV03	Quantitative analysis of oryzanol in rice ban oil	Per sample	450	750	5 working days	> 10 mL	
61	UV04	Quantitative analysis of oryzanol in rice	Per sample	780	1,300	8 working days	> 100 g	
62	UV05	Quantitative analysis of caroteniods in oil	Per sample	450	750	5 working days	> 10 mL	
63	UV06	Quantitative analysis of anthocyanins in extract	Per sample	600	1,000	6 working days	> 50 mL	
64	UV08	Quantitative analysis of anthocyanins in plant and vegetable	Per sample	720	1,200	10 working days	> 10 g	
65	UV10	Quantitative analysis of total phenolic compound in extract	Per sample	900	1,500	6 working days	> 1 g /10 mL	1. Contained in closed container and protect from light.
66	UV11	Determination of protein content in natural rubber products according to ASTM D5712	Per sample	1,200	1,200	6 working days	> 5 pieces	
67	UV12	Determination of protein content in natural latex (modified from ASTM D5712)	Per sample	1,600	1,600	6 working days	> 20 g/ 20 mL	
68	UV13	Quantitative analysis of DOBI in oil	Per sample	420	700	5 working days	> 20 mL	1. Contained in closed container 2. Customer must inform staff before sending the sample every time because the test must be done on the same day.
69	UV14	Qualitative analysis of solid	Per sample	420	700	5 working days	> 10 g	
70	UV15	Quantitative analysis of total phenolic compounds in plant	Per sample	1,200	2,000	7 working days	> 10 g	Include cost for dried sample with nitrogen evaporator.
71	UV16	Quantitative analysis of protein in washing water from latex gloves and condoms according to ASTM D5712 (ug/mL unit)	Per sample	1,200	1,200	6 working days	> 50 mL	1. The sample shall be contained in closed container. 2. The sample shall be clear, colorless and free of sediment.
72	UV17	Analysis of total flavonoid content in extract.	Per sample	900	1,500	7 working days	> 20 mL/ 100 mg	1. Packed in sealed container and protected from light.
73	UV18	Quantitative analysis of total tannin in extract	Per sample	1,500	2,500	10 working days	> 10 g/ 10 mL	In case of liquid sample, extract must in water or ethanol only
74	WETLAB68	Quantitative analysis of saponification value	Per sample	1,000	1,000	7 working days	> 20 mL/ 20 g	

รายการเครื่องมือวิจัยทางวิทยาศาสตร์งานทดสอบโครงสร้างจุลภาค

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
1	AFM01	Instrument Usage Fee (without image capture)	Per sample	500	500	8 working days	Sample sheet size 10 cm * 10 cm , thickness 0.5 cm 1 piece	
2	AFM02	Test of dynamic mode cantilever technique	Per sample	1,300	1,300	8 working days	-	
3	AFM03	Test of static mode cantilever technique	Per sample	1,300	1,300	8 working days	-	
4	AFM04	Test of spectroscopy technique	Per sample	2,800	3,200	12 working days	10 cm x 10 cm x 0.5 cm	Prepare the sample using an ultramicrotome before analysis.
5	Coater01	Gold Coating (using LEICA Sputter Coater)	Per time	600	600	8 working days	> 10 mg	1. Sample size is 2. Up to 24 pieces can be inserted at a time.
6	Coater02	Gold Coating (using SPI Sputter Coater)	Per time	500	500	8 working days	> 10 mg	1. Sample size is 2. Up to 6 pieces can be inserted at a time.
7	Fe-SEM01	FESEM usage fee (additional charges apply for EDS elemental analysis)	Per hour	2,400	2,400	8 working days	> 1 mg/ 1 mL	A minimum charge of 1 hour applies. Additional time is rounded up to the next 30-minute interval.
8	Fe-SEM03	Qualitative analysis of elements with EDS (3 points)	Per sample	1,000	1,000	8 working days	> 1 mg/ 1 mL	
9	Fe-SEM05	Semi qualitative analysis of elements with EDS (10 points)	Per sample	2,100	2,100	8 working days	> 1 mg/ 1 mL	
10	Fe-SEM06	Mapping analysis of elements (1 area)	Area	1,200	1,200	8 working days	> 1 mg/ 1 mL	
11	Fe-SEM08	Line scan analysis of elements (1 point)	Area	1,200	1,200	8 working days	> 1 mg/ 1 mL	
12	Fe-SEM09	Line scan analysis of elements (> 1 point) (additional charge from Fe-SEM08)	Per sample	240	240	8 working days	> 1 mg/ 1 mL	

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
13	Fe-SEM10	Point scan analysis of elements (3 points)	Area	1,200	1,200	8 working days	> 1 mg/ 1 mL	
14	Fe-SEM11	Point scan analysis of elements (> 1 point) (additional charge from Fe-SEM10)	Per point	240	240	8 working days	> 1 mg/ 1 mL	
15	FE-TEM01	Using instrument charge	Per hour	3,000	3,000	8 working days	> 100 mg/ 100 uL	1. The minimum time is calculated as 1 hour. 2. In cases where the scientist determines that the liquid sample cannot be analyzed by the instrument, a sample inspection fee of 200 Baht per submission will be charged.
16	FE-TEM02	Mapping analysis of element (1 area) (Additional fee of imaging from FE-TEM01)	per area	1,200	1,200	8 working days	> 100 mg/ 100 uL	
17	FE-TEM03	Qualitative analysis of elements with EDS (1 area) (additional fee from FE-TEM01)	per area	1,200	1,200	8 working days	> 100 mg/ 100 uL	
18	FE-TEM04	Point scan analysis of elements 1 area (3 points) (additional fee from FE-TEM01)	per area	1,200	1,200	8 working days	> 100 mg/ 100 uL	
19	FE-TEM05	Point scan analysis of elements 1 area (> 3 points) (additional fee from FE-TEM01 and FE-TEM04)	Per point	400	400	8 working days	> 100 mg/ 100 uL	
20	FE-TEM06	Line scan analysis of elements 1 line (additional fee from FE-TEM01)	per line	1,200	1,200	8 working days	> 100 mg/ 100 uL	
21	Fl Microscope01	Imaging without using laser (3 pictures)	Per sample	150	250	5 working days	> 1 mg/ 1 mL	
22	Fl Microscope02	Imaging by using laser (3 pictures)	Per sample	380	650	5 working days	> 1 mg/ 1 mL	
23	Fl Microscope03	Additional charge of imaging	Per sample	40	65	5 working days	> 1 mg/ 1 mL	
24	SEM-SAMPLEPREP01	Preparation of biological sample for SEM (preserve and CPD)	Per sample	900	1,500	8 working days	> 10 mg/ 10 mL	

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
25	SEM-SAMPLEPREP02	Dried sample with CPD	Per time	600	1,000	8 working days	> 10 mg/ 10 mL	6 samples/set of preparation
26	SEM-SAMPLEPREP04	Preparation of sample by hot mount resin for polish and etching	Per sample	530	880	8 working days	> 10 mg/ 10 mL	
27	SEM-SAMPLEPREP05	Preparation of rubber and polymer by dying with OsO_4	Per sample	120	200	8 working days	< 1 mL	
28	SEM01	Using instrument charge SEM Imaging (Quanta and SU3900) (An additional charge applies for EDS elemental analysis)	Per hour	1,400	1,400	8 working days	-	A minimum charge of 1 hour applies. Additional time is rounded up to the next 30-minute interval.
29	SEM02	Qualitative analysis of elements (3 points)	Per sample	530	880	8 working days	> 10 mg	
30	SEM03	Semi quantitative analysis of elements (10 points)	Per sample	1,200	2,000	8 working days	10 mg	
31	SEM04	Mapping analysis of elements (1 area)	Area	570	950	8 working days	10 mg	
32	SEM06	Point scan analysis of elements (3 points)	Area	570	950	8 working days	10 mg	
33	SEM07	Point scan analysis of elements (> 3 points) (additional charge from SEM06)	Per point	60	100	8 working days	10 mg	
34	TEM-SAMPLEPREP01	Sample Preparation with Special Staining/Grids	Per sample	1,800	3,000	8 working days	> 10 mg	
35	TEM-SAMPLEPREP02	Preparation of biological sample	Per sample	900	1,500	8 working days	< 1 mm3, > 6 pieces	
36	TEM-SAMPLEPREP03	Cut sample with ultra microtome	Per sample	900	1,500	8 working days	embred sample in block already	

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
37	TEM-SAMPLEPREP04	Cut sample with cryo ultramicrotome	Per sample	6,000	10,000	10 working days	> 1 cm x 1 cm X 1 cm	
38	TEM-SAMPLEPREP05	Preparation of liquid sample	Per sample	960	1,600	8 working days	> 1 mL	
39	XRF Microscope01	Qualitative analysis of element by mapping	Per area	600	600	7 working days	Solid > 10 mg, Liquid > 1 mL	Able to test of Sodium (Na) - Uranium (U)
40	XRF Microscope02	Qualitative analysis of element by line scan	Per line	500	500	7 working days	Solid > 10 g, Liquid > 1 mL	Able to test of Sodium (Na) - Uranium (U)
41	XRF Microscope03	Qualitative analysis of element by point scan	Per sample	500	500	7 working days	Solid > 10 mg, Liquid > 1 mL	Able to test of Sodium (Na) - Uranium (U)
42	XRF Microscope04	Qualitative analysis of element by area scan	Per sample	500	500	7 working days	Solid > 10 mg, Liquid > 1 mL	Able to test of Sodium (Na) - Uranium (U)

รายการเครื่องมือวิจัยทางวิทยาศาสตร์งานชีวโมเลกุล

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
1	AMINO ACID01	Quantitative analysis of 17 residue amino acids	Per sample	6,000	6,000	8 working days	Solid > 0.5 g/ Liquid > 10 mL	1. Amino acid 17 residues consist of Aspartic acid, Serine, Glutamic acid, Glycine, Histidine, Arginine,Threonine, Alanine, Proline, Cystine, Tyrosine,Valine, Methionine, Lysine, Isoleucine, Leucine และ Phenylalanine (พร้อมสกัดตัวอย่าง) 2. Analyze 2 replicate per sample. If additional analysis is required, the cost is 1,000 baht per replicates.
2	AMINO ACID03	Quantitative analysis of amino acid (17 residues) and hydroxyproline	Per sample	7,000	7,000	10 working days	solid > 0.5 g, liqiud > 10 mL	1. 17 residue amino acids consist of Aspartic acid, Serine, Glutamic acid, Glycine, Histidine, Arginine,Threonine, Alanine, Proline, Cystine, Tyrosine,Valine, Methionine, Lysine, Isoleucine, Leucine and Phenylalanine (with extract sample). 2. Analyze 2 replicate per sample. If additional analysis is required, the cost is 1,000 baht per replicates.
3	AMINO ACID03	Quantitative analysis of amino acid (17 residues) and hydroxyproline	Per sample	7,000	7,000	10 working days	solid > 0.5 g, liqiud > 10 mL	17 residue amino acids consist of Aspartic acid, Serine, Glutamic acid, Glycine, Histidine, Arginine,Threonine, Alanine, Proline, Cystine, Tyrosine,Valine, Methionine, Lysine, Isoleucine, Leucine and Phenylalanine (with extract sample).
4	AMINO ACID04	Quantitative analysis of hydroxyproline	Per sample	6,000	6,000	10 working days	Solid > 0.5 g, Liquid > 10 mL	1. Analyze 2 replicate per sample. If additional analysis is required, the cost is 1,000 baht per replicates.
5	Auto electro01	Test of size and concentration of piece of DNA	Per time	3,000	3,000	7 working days	> 20 uL	Test no more than 48 samples at a time
6	Biotyper01	*Salmonella* sp. in food	Per sample	760	760	7 working days	> 50 g	1. The sample contains in the clean and cool container and labels cleanly sample name. 2. Don't pool samples in the same container for sending of samples more than 1 sample
7	Biotyper02	*Staphylococcus aureus* in food	Per sample	500	500	7 working days	> 50 g	1. The sample contains in the clean and cool container and labels cleanly sample name. 2. Do not pool samples in the same container for sending of samples more than 1 sample
8	Biotyper03	*Clostridium perfringens* in food	Per sample	1,000	1,000	7 working days	> 50 g	1.The sample contains in the clean and cool container and labels cleanly sample name. 2. Don't pool samples in the same container for sending of samples more than 1 sample

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
9	Biotyper05	Identification of microorganisms of first colony	Per sample	500	500	5 working days	> 1 โคโลนี	
10	Biotyper06	Identification of Microbial Colonies (2nd Colony Onwards)	per colony	200	200	5 working days	> 1 colony	1. This service must be requested in conjunction with Biotyper05. 2. Each sample must be submitted separately when more than one sample is provided.
11	Biotyper07	*Bacillus cereus* in food	Per sample	500	500	7 working days	> 50 g	1. The sample contains in the clean and cool container and labels cleanly sample name. 2. Don't pool samples in the same container for sending of samples more than 1 sample
12	Biotyper08	*Legionella* in water	Per sample	1,500	1,500	13 working days	> 5 mL	1. The sample contains in the clean such as new container or sterilized bottle. 2. Do not touch the mouth of bottle and should be emptied for a while before collecting the samples. 3. Cool the sample during sending it.
13	Biotyper09	Test of *Pseudomonas aeruginosa* in food	Per sample	500	500	7 working days	> 50 g	
14	CEN01	Centrifugation of sample (volume ≤ 30 mL)	Per time	60	100	3 working days	< 30 mL	not including of tube price
15	CEN02	Centrifugation of sample volume ≤ 30 mL for using time > 30 minutes	Per time	120	200	3 working days	< 30 mL	not including of tube price
16	CHARM EZ01	Quantitative analysis of aflatoxins in food, cereal and milk	Per sample	1,400	1,400	7 working days	> 50 g/ 50 mL	1. Sample contains in closed container or bag. 2. Separate sample and clearly identify before sending sample
17	CHARM EZ02	Quantitative analysis of ochratoxin in food and cereal	Per sample	1,400	1,400	7 working days	> 50 g/ 50 mL	1.Sample contains in closed container or bag. 2.Separate sample and clearly identify before sending sample
18	DNA201	DNA squencing	Per sample	750	750	7 working days	> 20 uL	1. Receive minimum of 8 samples. 2. Send at least 20 samples at one time, get 10% discount. 3. Sample is PCR product.
19	DNA202	Sequence blast	Per sample	100	100	7 working days	> 20 uL	1. Receive minimum of 8 samples. 2. Send at least 20 samples at one time, get 10% discount.
20	DNA202	Sequence blast	Per sample	100	100	7 working days	> 20 uL	1. Receive minimum of 8 samples. 2. Send at least 20 samples at one time, get 10% discount.
21	DNA203	Identification of mold and imaging with Fl microscope	per gene	2,700	2,700	10 working days	> 50 mg	
22	DNA204	Identification of insect	per gene	2,500	2,500	10 working days	> 50 mg	1. Send at least 20 samples at one time, get 10% discount. 2. Collect only one type of sample per tube.

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
23	DNA205	Identification of bacteria	per colony	2,500	2,500	0 working days	> 25 mg/ 1 mL	1. Send at least 20 samples at one time, get 10% discount. 2. Send sample in chill container.
24	DNA205	Identification of bacteria	per colony	2,500	2,500	0 working days	> 25 mg/ 1 mL	1. Send at least 20 samples at one time, get 10% discount. 2. Send sample in chill container.
25	ELECTRO01A	Preparation of samples for test of DNA, protein and electrophoresis set (for small plate)	Per sample	140	200	3 working days	> 50 mg	
26	ELECTRO01B	Preparation of samples for test of DNA, protein and electrophoresis set (for big plate)	Per sample	280	400	3 working days	> 50 mg	
27	Enumeration01	Quantitative analysis of total microorganisms	Per sample	550	550	7 working days	> 25 g/ 25 mL	Contain in closed container
28	Enumeration02	Quantitative analysis of yeasts and molds	Per sample	600	600	7 working days	> 25 g/ 25 mL	Contain in closed container
29	Enumeration03	Quantitative analysis of *Staphylococcus aureus*	Per sample	600	600	7 working days	> 25 g/ 25 mL	Contain in closed container
30	Enumeration04	Quantitative analysis of *Bacillus cereus*	Per sample	600	600	7 working days	> 25 g/ 25 mL	Contain in closed container
31	Enumeration05	Quantitative analysis of *Escherichia coli*	Per sample	550	550	7 working days	> 25 g/ 25 mL	Contain in closed container
32	Enumeration06	Quantitative analysis of Coliforms	Per sample	550	550	7 working days	> 25 g/ 25 mL	Contain in closed container
33	GELDOC01	Imaging of gel	Per sample	60	100	3 working days	> 50 mg	
34	GELDOC03	Analysis of molecular weight (profile analysis)	Per sample	140	200	3 working days	> 50 mg	
35	GELDOC04	Quantitative analysis of intensity OD	Per sample	140	200	3 working days	> 50 mg	
36	HALAL01	Analysis of contamination of procine DNA with RT-PCR including of extraction	Per sample	1,400	1,400	5 working days	> 50 mg	
37	LSC01	Qualitative analysis of aflatoxins in food, cereal and milk	Per sample	1,300	1,300	7 working days	> 50 g/ 50 mL	1. Sample contains in closed container or bag. 2. Separate sample and clearly identify before sending sample
38	LSC02	Qualitative analysis of macrolide in milk	Per sample	1,100	1,100	7 working days	> 50 g/ 50 mL	1. Sample contains in closed container or bag. 2. Separate sample and clearly identify before sending sample

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
39	LSC03	Qualitative analysis of chloramphenicol in milk	Per sample	1,300	1,300	7 working days	> 50 g/ 50 mL	1. Sample contains in closed container or bag. 2. Separate sample and clearly identify before sending sample
40	LSC04	Qualitative analysis of organophosphates in water	Per sample	1,300	1,300	7 working days	> 50 g/ 50 mL	1. Sample contains in closed container or bag. 2. Separate sample and clearly identify before sending sample
41	LSC05	Qualitative analysis of carbamates in water	Per sample	1,300	1,300	7 working days	> 50 g/ 50 mL	1.Sample contains in closed container or bag. 2. Separate sample and clearly identify before sending sample
42	Multimode01	Qualitative, quantitative analysis of compounds and others with end point	Per time	240	400	5 working days	> 100 uL	Customers prepare samples in Microplate themselves.
43	Multimode02	Qualitative, quantitative analysis of compound and others with kinetic or spectrum	Per time	480	800	5 working days	> 100 uL	Customers prepare samples in Microplate themselves.
44	Multimode03	Quantitative of DNA, RNA and Protein in sample (not more than 16 samples)	Per time	500	500	5 working days	> 2 uL	
45	Multimode04	DNA extraction and Quantitative of DNA, RNA and Protein in sample (not more than 16 samples)	Per time	3,700	3,700	5 working days	> 50 mg	
46	Multimode05	Quantitative analysis of hexavalent chromium (Cr^{6+}) in water	Per sample	1,000	1,000	8 working days	> 500 mL	1. Should contain sample in cool container. 2. Sample must be homogeneous. 3. Contain sample in a sealed container. 4.The elemental concentrations that effect of method are Iron (Fe) > 1 mg/L, Molybdenum (Mo) and Mercury (Hg) > 200 mg/L. The Fe, Mo and Cr must be test with an ICP-OES and Hg must be test with a direct mercury machine before an additional charge of 2,500 baht in charged (1,500 baht/sample).
47	Multimode06	Antioxidant activity in extract (DPPH assay) (% inhibition and IC_{50})	Per sample	2,000	2,000	10 working days	> 1 g	
48	Nanodrop01	DNA extraction and quantitative analysis of DNA	Per sample	500	500	5 working days	> 50 mg	
49	Nanodrop02	Quantitative analysis of DNA	Per sample	200	200	5 working days	> 50 mg	
50	NEXT GENERATION 01	Quantitative analysis of dsDNA with fluorometer	Per sample	360	600	10 working days	> 30 mg	Contained sample in chilled container

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
51	NEXT GENERATION 02	Quantitative analysis of dsDNA with fluorometer	Per sample	200	200	10 working days	> 30 mg	1. Contained sample in chilled container 2. Chemical's customer
52	NEXT GENERATION 03	Sample preparation of SAFESeq	Per sample	1,200	2,000	10 working days	> 30 mg	Contained sample in freezer container
53	NEXT GENERATION 04	Sample preparation of SAFESeqr	Per sample	480	800	10 working days	> 30 mg	1. Contained sample in chilled container 2. Chemical's customer
54	NEXT GENERATION 05	Classification of animal species with SAFESeqr	Per sample	1,440	2,400	10 working days	> 30 mg	Contained sample in chilled container
55	NEXT GENERATION 06	Classification of animal species with SAFESeqr	Per sample	360	600	10 working days	> 30 mg	1. Contained sample in chilled container 2. Chemical's customer
56	NEXT GENERATION 07	Identification of animal species with next generation sequencer	Per sample	3,000	5,000	10 working days	> 30 mg	Contained sample in chilled container
57	NEXT GENERATION 08	Identification of animal species with next generation sequencer	Per sample	1,140	1,900	10 working days	> 30 mg	1. Contained sample in chilled container 2. Chemical's customer
58	NEXT GENERATION 09	Identification of animal species with next generation sequencer (package of 96 samples)	Per sample	1,500	2,500	10 working days	Solid > 0.5 g/ Liquid > 10 mL	1. Contained sample in chilled container 2. 96 samples for starting analysis
59	NEXT GENERATION 10	Identification of 16S microorganisms (Package 20 samples)	Per sample	6,700	6,700	10 working days	Solid > 0.5 g/ Liquid > 10 mL	1. Contained sample in chilled container 2. 20 samples for starting analysis

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
60	NEXT GENERATION 11	Identification of 16S microorganisms (package 90 samples)	Per sample	4,000	4,000	10 working days	Solid > 0.5 g/ Liquid > 10 mL	1. Contained sample in chilled container 2. 90 samples for starting analysis
61	NEXT GENERATION 12	Charge of using instrument	Per time	4,000	4,000	10 working days	Solid > 0.5 g/ Liquid > 10 mL	
62	PCR02	Increasing the amount of DNA (PCR)	Per sample	180	300	5 working days	> 50 mg	Make an appointment to receive the result 5 working days in case want to report the test result.
63	PLATE01	Qualitative, quantitative analysis of compounds and others with end point	Per sample	60	100	3 working days	> 50 mg	Customer prepares sample
64	PLATE02	Qualitative, quantitative analysis of compound and others with kinetic or spectrum	Per sample	240	400	3 working days	> 50 mg	Customer prepares sample
65	PLATE03	Qualitative, quantitative analysis of compound and others with end point	Per sample	120	200	3 working days	> 50 mg	Charge including of preparation
66	PLATE04	Qualitative, quantitative analysis of compound and others with kinetic or spectrum	Per sample	360	600	3 working days	> 50 mg	Charge including of preparation
67	RT-PCR01	Amplify and quantify of interesting gene	Per sample	1,200	1,200	7 working days	> 50 mg/ 1 mL	
68	RT-PCR02	Study of optimized condition for interesting primer by using of gradient PCR for amplify of interesting gene	Per sample	3,200	3,200	10 working days	> 50 mg/ 1 mL	
69	WETLAB70	Qualitative analysis of protein residues with Pyromol-Test	Per sample	300	300	7 working days	1-2 pieces	1. The chemical test kit belongs to customer.
70	WETLAB71	Qualitative analysis of protein residues with Hemo Check-S	Per sample	300	300	7 working days	1-2 pieces	1. The chemical test kit belongs to customer.

รายการเครื่องมือวิจัยทางวิทยาศาสตร์งานทำแห้งตัวอย่าง/ระเหยตัวอย่างและเตรียมตัวอย่าง

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
1	B_MILL01	Milling of sample	Per sample	250	250	7 working days	> 10 g	
2	C_GRIN01	Milling of sample	Per 10 g	250	250	5 working days	> 10 g	
3	FD01	Freeze drying sample	Per sample	300	300	7 working days	< 40 g/ 40 mL	
4	FD02	Freeze drying sample (for preparation sample to analysis with other equipment of OSIT)	Per sample	300	300	5 working days	< 30 g/ 30 mL	volume of sample ≤ 130 mL or enough for analysis only
5	FD03	Freeze drying sample (Freeze dryer; CHRIST, DELTA 2-24 LSCplus)	Per hour	200	200	7 working days	> 2 L	
6	FD04	Freeze drying sample in ampoule (Freeze dryer; CHRIST, DELTA 2-24 LSCplus)	Per sample	220	220	7 working days	< 2 mL	Customer prepares sample in ampoule
7	FD05	Freeze drying sample in syringe (Freeze dryer; CHRIST, DELTA 2-24 LSCplus)	Per sample	25	25	7 working days	< 1 mL	Customer prepares sample in syringe
8	Freezer mill01	Grinding sample thoroughly for further testing within OSIT	Per time	1,000	1,000	5 working days	> 10 g	Grind up to 4 samples at a time
9	Freezer mill02	Grind the sample to no more than 10 g thoroughly	Per sample	1,000	1,000	5 working days	> 10 g	1. In case of sending > 1 sample but the total weight does not exceed 10 g, the price is 1,000 baht.
10	FURNACE01	Combustion of sample at high temperature	Per sample	250	250	7 working days	> 1 g	Maximum combustion temperature 900 °C
11	HOMO01	Mixing of liquid to homogeneous sample	Per time	100	100	3 working days	< 30 mL	1 time = 5 minutes
12	MICROWAVE01	Digestion of sample with microwave digester	Per 0.5g	250	250	5 working days	> 0.5 g	
13	Nitrogen evap01	Evaporation of organic solvent in sample (not more than 10 samples; 10 mL per sample)	Per time	200	200	5 working days	> 10 mL	
14	R_EVAP01	Evaporation of solvent in sample	Per hour	600	600	7 working days	> 10 mL	1. The appointment date 7 working days of sample return in case of ≤ 1 L. 2. The appointment date of sample return in case of > 1 L based on sample volume and solvent type.
15	R_EVAP02	Dried sample for testing within OSIT	Per sample	300	300	3 working days	< 50 mL	
16	SFE01	Extraction of sample with super critical fluid (SFE) (final extract volume is not more than 100 mL)	Per sample	1,000	1,000	7 working days	> 10 g	1. The sample is dry and has a particle size of not more than 0.5 mm. 2. In case of sample is not mashed or is not optimized size. Additional grinding fee will be charge 250 baht/ < 10 g of sample weight.

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
17	SPE01	Extraction sample with SPE for testing in OSIT	Per sample	1,000	1,000	7 working days	Solid > 100 g/ Liquid > 2 L	The sample drying fee is not included in case of sample drying.
18	SPE02	Extraction solid sample with SPE	Per sample	1,000	1,000	0 working days	< 10 g	The sample drying fee is not included in case of sample drying.
19	SPE03	Extraction liquid sample with SPE	Per sample	1,000	1,000	7 working days	< 500 mL	The sample drying fee is not included in case of sample drying.
20	TUBE_FURNACE01	Combustion of sample at high temperature	Per hour	250	250	7 working days	> 1 g	1. Not including charge of nitrogen gas 2. Maximum combustion temperature is 1500 °C.

รายการทดสอบทั่วไป และ Wet Lab

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
1	AIR-DRY_LOSS01	Quantitative analysis of Air-dry loss	Per sample	400	400	8 working days	> 500 g	In the case of preparing samples to send other test items, the date is set to be 4 working days.
2	INSOLUBLE_IMPURECPO01	Quantitative analysis of insoluble and impurity in crude palm oil (CPO)	Per sample	1,000	1,000	8 working days	> 50 mL	
3	VOLATILE_CPO01	Quantitative analysis of moisture and volatile matter in crude palm oil (CPO)	Per sample	1,000	1,000	8 working days	> 50 mL	
4	WETLAB01 (TS)	Quantitative analysis of total solids in water	Per sample	400	400	7 working days	> 250 mL	1. Samples must be refrigerated at 4±2 °C. 2. When sampling date/time is specified, samples must be delivered within 72 hours. 3. ISO/IEC 17025–accredited testing of Total Solids in water (100–5,000 mg/L) according to AWWA 2540B (2023). 4. Samples must be homogeneous with no phase separation

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
5	WETLAB02 (TSS)	Quantitative analysis of total suspended solids in water	Per sample	400	400	7 working days	waste water > 250 mL, well water and drain water > 2 L	1. Samples must be refrigerated at 4±2 °C. 2. When sampling date/time is specified, samples must be delivered within 72 hours. 3. ISO/IEC 17025–accredited testing of Total Suspended Solids (TSS) in wastewater, 20–3,000 mg/L, according to AWWA 2540D (24th ed., 2023). 4. Samples must be homogeneous with no phase separation. 5. Single determination; if solids/suspended matter >10%, heavy sludge analysis is recommended.
6	WETLAB03 (TDS)	Quantitative analysis of total dissolved solids in water	Per sample	400	400	7 working days	> 250 mL	1. Samples must be refrigerated at 4±2 °C. 2. When sampling date/time is specified, samples must be delivered within 72 hours. 3. ISO/IEC 17025–accredited testing of Total Solids in water (100–5,000 mg/L) according to AWWA 2540B (2023). 4. Samples must be homogeneous, with no phase separation.
7	WETLAB04	Quantitative analysis of biochemical oxygen demand in water (BOD)	Per sample	350	350	7 working days	well water > 2L, waste water > 300 mL	The appointment date 10 working days o f receive test result in case of sending sample on Monday, Tuesday, Friday and Saturday.
8	WETLAB06	Quantitative analysis of moisture	Per sample	400	400	7 working days	> 30 g	In the case of preparing samples to send other test items, the date is set to be 4 working days.
9	WETLAB07	Quantitative analysis of ash	Per sample	500	500	7 working days	> 20 g	
10	WETLAB08	Quantitative analysis of total fats	Per sample	1,000	1,000	7 working days	> 100 g	
11	WETLAB09	Quantitative analysis of available chlorine	Per sample	550	550	7 working days	> 50 mL	
12	WETLAB10	Quantitative analysis of organic carbon	Per sample	500	500	7 working days	> 20 g	
13	WETLAB11	Quantitative analysis of organic matter (OM)	Per sample	500	500	7 working days	> 20 g	
14	WETLAB12	Quantitative analysis of volatile suspension solids in water (VSS)	Per sample	500	500	7 working days	> 300 mL	**กรณีทดสอบพร้อม TSS กำหนด 12 ทำการ**
15	WETLAB13	Quantitative analysis of volatile solids in water (VS)	Per sample	500	500	7 working days	> 300 mL	
16	WETLAB14	Quantitative analysis of saponification value in oil	Per sample	1,000	1,000	7 working days	> 30 mL	

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
17	WETLAB15	Quantitative analysis of acid value in oil and lauric acid	Per sample	600	600	7 working days	> 10 g	
18	WETLAB16	Quantitative analysis of free fatty acid in oil (FFA)	Per sample	600	600	7 working days	> 10 mL	
19	WETLAB17	Quantitative analysis of iodine value in oil (IV)	Per sample	1,000	1,000	7 working days	> 20 mL	
20	WETLAB18	Quantitative analysis of neutralizing value in soil	Per sample	500	500	7 working days	> 10 g	
21	WETLAB20	Quantitative analysis of peroxide value in oil (PV)	Per sample	600	600	7 working days	> 50 mL	
22	WETLAB21	Quantitative analysis of total hardness in water	Per sample	400	400	7 working days	> 500 mL	
23	WETLAB22	Quantitative analysis of total alkalinity in water	Per sample	400	400	7 working days	> 500 mL	
24	WETLAB25	Taste of drinking water	Per sample	50	50	7 working days	> 50 mL	
25	WETLAB26	Odour of water	Per sample	50	50	7 working days	> 50 mL	
26	WETLAB27	Quantitative analysis of settleable solids in water	Per sample	200	200	7 working days	> 1 L	
27	WETLAB29	Analysis of temperature	Per sample	100	100	7 working days	> 10 g	
28	WETLAB31	Quantitative analysis of soap in oil	Per sample	500	500	7 working days	> 100 mL	Kept in closed container
29	WETLAB32	Quantitative analysis of oil & grease in water	Per sample	400	400	7 working days	> 2 L	
30	WETLAB33	Visual analysis	Per sample	200	200	7 working days	> 500 g	
31	WETLAB34	Quantitative analysis of dissolved oxygen in water (DO)	Per sample	300	300	5 working days	well water; > 2L, waste water; > 300 mL	
32	WETLAB35	Quantitative analysis of M-alkalinity in water	Per sample	400	400	7 working days	> 500 mL	
33	WETLAB36	Quantitative analysis of P-alkalinity in water	Per sample	400	400	7 working days	> 500 mL	
34	WETLAB39	Quantitative analysis of water soluble in solid	Per sample	500	500	7 working days	> 100 g	
35	WETLAB40	Quantitative analysis of ZnO	Per sample	600	600	7 working days	> 10 g	
36	WETLAB42	Quantitative analysis of unburned carbon in ash	Per sample	1,000	1,000	7 working days	> 10 g	
37	WETLAB45	Quantitative analysis of OH-alkalinity in water	Per sample	400	400	7 working days	> 500 mL	1. Need to testing of total hardness and total alkalinity
38	WETLAB46	Quantitative analysis of carbonate alkalinity in water	Per sample	400	400	7 working days	> 500 mL	1. Need to testing of total hardness and total alkalinity.
39	WETLAB47	Quantitative analysis of bicarbonate alkalinity	Per sample	400	400	7 working days	> 500 mL	1. Need to testing of total hardness and total alkalinity.

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
40	WETLAB48	Analysis of density of liquid	Per sample	700	700	7 working days	> 50 mL	
41	WETLAB49	Quantitative analysis of aluminium oxide (Al_2O_3) in polyaluminium chloride (PAC)	Per sample	600	600	7 working days	> 20 g	
42	WETLAB51	Quantitative analysis of % basic concentration and free alkaline	Per sample	600	600	7 working days	> 50 mL	Analysis of density of sample for calculation of % unit
43	WETLAB53	Quantitative analysis of non-carbonate hardness in water	Per sample	400	400	7 working days	> 50 mL	1. Need to testing of total hardness and total alkalinity.
44	WETLAB54	Analysis of pesticides (test kit)	Per sample	1,000	1,000	5 working days	> 100 g/ 500 mL	Send at least 5 samples at the same time, charge 500 baht/sample.
45	WETLAB55	Quantitative analysis of NaCl	Per sample	600	600	7 working days	> 50 g/ 500 mL	Kept in closed container
46	WETLAB57	Analysis of % corrosion of material	Per sample	700	700	7 working days	> 3 pieces	Delivered with solution to be soaked.
47	WETLAB59	Analysis of ethanol solubility of essential oil	Per sample	300	300	7 working days	> 20 mL	
48	WETLAB61	Quantitative analysis of $CaCl_2$	Per sample	600	600	7 working days	> 30 g	
49	WETLAB63	Quantitative analysis of iodine number in charcoal	Per sample	800	800	7 working days	> 30 g	
50	WETLAB66	Color appearance	Per sample	200	200	5 working days	> 2g/ 5 mL	
51	WETLAB67	Quantitative analysis of insoluble matter	Per sample	500	500	7 working days	> 70 g	
52	WETLAB69	Quantitative analysis of % Calcium Carbonate Equivalent (C.C.E) in limestone	Per sample	500	500	10 working days	> 50 g	1. Sample are fine dried powder.
53	WETLAB72 (TDS)	Quantitative analysis of total dissolved solids in water and Uncertainty	Per sample	500	500	7 working days	> 250 mL	Refer WETLAB03
54	WETLAB73 (TS)	Quantitative analysis of total solids in water and Uncertainty	Per sample	500	500	7 working days	> 250 mL	
55	WETLAB74 (TSS)	Quantitative analysis of total suspended solids in water and Uncertainty	Per sample	500	500	7 working days	waste water > 250 mL, well water and drain water > 2 L	

ทดสอบจุลชีววิทยาในน้ำ

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
1	MICRO01	Qualitative analysis of total Coliform bacteria in water(MPN method; AWWA 9223B)	Per sample	500	500	7 working days	> 200 mL	1. Contained in clean container and label. 2. Do not contain each sample in the same container
2	MICRO02	Qualitative analysis of *E.coli* in water (selective method)	Per sample	500	500	7 working days	> 200 mL	1. Contained in clean container and label. 2. Do not contain each sample in the same container.
3	MICRO03	Qualitative analysis of *S.aureus* in water (selective method)	Per sample	450	450	7 working days	> 200 mL	1. Contained in clean container and label. 2. Do not contain each sample in the same container.
4	MICRO04	Qualitative analysis of *Salmonella* sp. in water (selective method)	Per sample	450	450	7 working days	> 200 mL	1. Contained in clean container and label. 2. Do not contain each sample in the same container.
5	MICRO08	Qualitative analysis of Fecal Coliform bacteria in water	Per sample	500	500	7 working days	> 200 mL	1. Contained in clean container and label. 2. Do not contain each sample in the same container.
6	MICRO09	Qualitative analysis of Coliforms, *E.coli* , *S.aureus* and *Salmonella* sp. in water	Per sample	1,400	1,400	7 working days	> 600 mL	1. Contained in clean container and label. 2. Do not contain each sample in the same container.
7	MICRO10	Qualitative analysis of *Clostridium perfringens* in water	Per sample	600	600	7 working days	> 200 mL	1. Contained in clean container and label. 2. Do not contain each sample in the same container.

ทดสอบจุลชีววิทยาในอาหาร

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
1	Biotyper10	Test of *Listeria monocytogenes*	Per sample	500	500	7 working days	> 50 g / 50 mL	1. The sample contains in the clean and cool container and labels cleanly sample name. 2. Don't pool samples in the same container for sending of samples more than 1 sample
2	MICRO_FOOD 01	Qualitative analysis of Coliform in food	Per sample	500	500	7 working days	> 50 g	- Contained in clean container and label - Do not contain each sample in the same container
3	MICRO_FOOD 02	Qualitative analysis of *E.coli* in food	Per sample	500	500	7 working days	> 50 g	1. Contained in clean container and label. 2. Do not contain each sample in the same container.
4	MICRO_FOOD 06	Qualitative analysis of yeast and mold in food	Per sample	500	500	7 working days	> 50 g	1. Contained in clean container and label. 2. Do not contain each sample in the same container.
5	MICRO_FOOD 08	Qualitative analysis of Fecal Coliform bacteria	Per sample	500	500	7 working days	> 50 g	1. Contained in clean container and label. 2. Do not contain each sample in the same container.
6	MICRO_FOOD 10	Qualitative analysis of Lactic acid bacteria	Per sample	400	400	7 working days	> 50 g	1. Contained in clean container and label. 2. Don't contain each sample in the same container.

ไม้ยางพาราแปรรูป : มอก.2423-2552

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
1	WOOD01A	Analysis of dimension of rubber wood sawn timber	Per sample	400	400	10 working days	5 pieces	The appointment date 10 working days o f receive test result in case of sending 5 samples sent in same day.
2	WOOD01B	Analysis of size allowance of rubber wood sawn timber	Per sample	400	400	10 working days	5 pieces	The appointment date 10 working days o f receive test result in case of sending 5 samples sent in same day.
3	WOOD02	Qualitative analysis of characteristics of rubber wood sawn timber	Per sample	300	300	10 working days	5 pieces	The appointment date 10 working days o f receive test result in case of sending 5 samples sent in same day.
4	WOOD03	Analysis of sawing of rubber wood sawn timber	Per sample	300	300	10 working days	5 pieces	The appointment date 10 working days o f receive test result in case of sending 5 samples sent in same day.
5	WOOD04	Quantitative analysis of moisture of rubber wood sawn timber	Per sample	500	500	10 working days	5 pieces	The appointment date 10 working days o f receive test result in case of sending 5 samples sent in same day.
6	WOOD06	Logo and lebel of rubber wood sawn timber	Per sample	100	100	10 working days	1 piece (spare 2 pieces)	The appointment date 10 working days o f receive test result in case of sending 5 samples sent in same day.

การให้บริการน้ำกลั่น

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
1	DI01	DI water from E-Pure for HPLC grade (deionized distilled)	Liter	200	200	1 working days	> 1 L	Arrange the appointment date depends on volume of customer require.
2	DW01	distilled water	Liter	30	30	3 working days	> 1 L	The appointment date of receive test result depends on volume customer require.
3	RO01	Reverse osmosis water (RO)	Liter	6	6	1 working days	> 1 L	The appointment date depends on the number of volume required.

การทดสอบกลุ่มชีวมวล (Biomass)

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
1	BIOMASS01	Quantitative analysis of total moisture of biomass	Per sample	2,000	2,000	10 working days	> 100 g	Analysis air dry loss and Macro TGA
2	BIOMASS02	Quantitative analysis of air dry loss of biomass and grinding	Per sample	650	650	4 working days	> 100 g	
3	BIOMASS03	Sample drying and grinding	Per sample	650	650	4 working days	> 100 g	dried basis analysis
4	BIOMASS04	Proximate analysis of moisture, volatile matter, fixed carbon and ash of biomass	Per sample	1,120	1,600	6 working days	> 100 g	
5	BIOMASS05	Ultimate analysis (C, H,N,O, S, gross and net calorific value from calculation) of biomass	Per sample	2,580	4,300	8 working days	> 10 g	
6	BIOMASS06	Analysis of gross calorific value of biomass	Per sample	840	1,400	7 working days	> 10 g	Not including of preparation charge
7	BIOMASS07	Analysis of net calorific value of biomass	Per sample	2,140	3,300	10 working days	> 10 g	Not including of preparation charge
8	BIOMASS08	Quantitative analysis of As, Cd, Cr, Cu, Ni, Zn and Pb of biomass	Per sample	2,940	4,900	8 working days	> 10 g	
9	BIOMASS09	Quantitative analysis of mercury (Hg) of biomass	Per sample	600	1,000	8 working days	> 10 g	
10	BIOMASS10	Analysis of ash fusion temperature	Per sample	3,000	3,000	10 working days	> 3 kg for biomass sample/ > 200 g for ash sample	

การทดสอบน้ำมัน/น้ำมันไบโอดีเซล

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
1	BIODIESEL01	Quantitative analysis of methyl ester or ethyl Ester and linoleic acid methyl ester in biodiesel	Per sample	2,500	2,500	8 working days	> 2 mL	
2	BIODIESEL02	Analysis of density at 15 °C of biodiesel	Per sample	500	500	5 working days	> 500 mL	
3	BIODIESEL03	Analysis of viscosity at 40 °C of biodiesel	Per sample	600	600	7 working days	> 30 mL	
4	BIODIESEL05	Quantitative analysis of carbon residue in biodiesel	Per sample	900	900	8 working days	> 70 mL	
5	BIODIESEL06	Quantitative analysis of sulphate ash in biodiesel	Per sample	1,000	1,000	8 working days	> 200 mL	
6	BIODIESEL07	Quantitative analysis of total contaminate in biodiesel	Per sample	1,200	1,200	8 working days	> 3 L	

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
7	BIODIESEL08	Quantitative analysis of water in biodiesel	Per sample	800	800	7 working days	> 30 mL	
8	BIODIESEL09	Analysis of oxidation stability at 110 °C of biodiesel	Per sample	1,000	1,000	7 working days	> 20 mL	If the number of sample > 3 samples, an additional 2 working days per sample can be scheduled for delivery.
9	BIODIESEL10	Analysis of total acid value of biodiesel	Per sample	800	800	7 working days	> 200 mL	
10	BIODIESEL11	Analysis of iodine value of biodiesel (IV)	Per sample	800	800	8 working days	> 20 mL	
11	BIODIESEL12	Quantitative analysis of methanol or ethanol in biodiesel	Per sample	2,200	2,200	8 working days	> 20 mL	
12	BIODIESEL13A	Determination of free glycerol, mono-, di-, and triglycerides, and total glycerol in biodiesel	Per sample	4,700	4,700	8 working days	> 2 mL	
13	BIODIESEL13B	Quantitative analysis of free glycerine in biodiesel	Per sample	3,300	3,300	8 working days	> 2 mL	
14	BIODIESEL13C	Quantitative analysis of test of monoglyceride in biodiesel	Per sample	3,300	3,300	8 working days	> 2 mL	
15	BIODIESEL13D	Quantitative analysis of diglyceride in biodiesel	Per sample	3,300	3,300	8 working days	> 2 mL	
16	BIODIESEL13E	Quantitative analysis of triglyceride in biodiesel	Per sample	3,300	3,300	8 working days	> 2 mL	
17	BIODIESEL17	Analysis of density API at 60 °F of biodiesel	Per sample	500	500	5 working days	> 500 mL	

การทดสอบยางและพอลิเมอร์

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
1	Biotyper11	Anti-microbial of *S. aureus* or *E.coli* in rubber and polymer products	per microorganism	2,000	2,000	8 working days	i.d. < 6 mm (thick < 10 mm) 3 pieces	1. Sample no. 2 on words is price at 1,000 baht/microorganism 2. The sample contains in plastic bag or clean container and labels cleanly sample name.
2	GPC01	Analysis of molecular weight	Per sample	3,000	3,000	14 working days	> 2 g	Sample needs to dissolve in THF
3	Rubber-Barrier-01	Analysis of hardness	Per sample	400	400	5 working days	10 cm x10 cm x0.6 cm 1 piece or 10 cm x10 cm x0.2 cm 5 pieces or 10 cm x10 cm x0.3 cm 5 pieces	

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
4	Rubber-Barrier-02	Analysis of tensile strength and elongation	Per sample	400	400	5 working days	10 cm x10 cm x0.6 cm 1 piece or 10 cm x10 cm x0.2 cm 5 pieces or 10 cm x10 cm x0.3 cm 5 pieces	
5	Rubber-Barrier-03	Accelerating with geer aging	Per sample	1,400	1,400	10 working days	10 cm x10 cm x0.6 cm 1 piece or 10 cm x10 cm x0.2 cm 5 pieces or 10 cm x10 cm x0.3 cm 5 pieces	

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
6	Rubber-Barrier-04	Accelerating with ozone	Per sample	5,200	5,200	7 working days	10 cm x10 cm x0.6 cm 1 piece or 10 cm x10 cm x0.2 cm 5 pieces or 10 cm x10 cm x0.3 cm 5 pieces	
7	Rubber-Barrier-05	Duration of flammability	Per sample	2,500	2,500	5 working days	10 cm x10 cm x0.6 cm 1 piece or 10 cm x10 cm x0.2 cm 5 pieces or 10 cm x10 cm x0.3 cm 5 pieces	

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
8	Rubber-Barrier-06	Quantitative analysis of total rubber	Per sample	970	970	5 working days	10 cm x10 cm x0.6 cm 1 piece or 10 cm x10 cm x0.2 cm 5 pieces or 10 cm x10 cm x0.3 cm 5 pieces	
9	Rubber-Barrier-07	Molding and cutting of sample	Per sample	600	600	5 working days	10 cm x10 cm x0.6 cm 1 piece or 10 cm x10 cm x0.2 cm 5 pieces or 10 cm x10 cm x0.3 cm 5 pieces	

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
10	Rubber-Guide post-01	Analysis of hardness	Per sample	400	400	5 working days	10 cm x10 cm x0.6 cm 1 piece or 10 cm x10 cm x0.2 cm 3 pieces or 10 cm x10 cm x0.3 cm 3 pieces	
11	Rubber-Guide post-02	Analysis of tensile strength and elongation	Per sample	400	400	5 working days	10 cm x10 cm x0.6 cm 1 piece or 10 cm x10 cm x0.2 cm 3 pieces or 10 cm x10 cm x0.3 cm 3 pieces	

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
12	Rubber-Guide post-03	Accelerating with geer aging	Per sample	1,400	1,400	10 working days	10 cm x10 cm x0.6 cm 1 piece or 10 cm x10 cm x0.2 cm 3 pieces or 10 cm x10 cm x0.3 cm 3 pieces	
13	Rubber-Guide post-04	Duration of flammability	Per sample	2,500	2,500	5 working days	10 cm x10 cm x0.6 cm 1 piece or 10 cm x10 cm x0.2 cm 3 pieces or 10 cm x10 cm x0.3 cm 3 pieces	

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
14	Rubber-Guide post-05	Quantitative analysis of total rubber	Per sample	970	970	5 working days	10 cm x10 cm x0.6 cm 1 piece or 10 cm x10 cm x0.2 cm 3 pieces or 10 cm x10 cm x0.3 cm 3 pieces	
15	Rubber-Guide post-06	Cutting of sample	Per sample	200	200	5 working days	10 cm x10 cm x0.6 cm 1 piece or 10 cm x10 cm x0.2 cm 3 pieces or 10 cm x10 cm x0.3 cm 3 pieces	
16	RUBBER01	Analysis of tensile strength and elongation at break (5 repeat) (Tensile)	Per sample	240	400	5 working days		1. In case of customer want to test in condition other than the temperature of 23 C+-2 C, the service additional free is 1,000 baht per sample. 2. In case of using liquid nitrogen, the fixed fee of 6,000 baht per time, which the customer must pay when send sample.

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
17	RUBBER02	Analysis of tear strength (3 repeat) (Tensile)	Per sample	240	400	5 working days		1. In case of use temperature control range of 25 °C to 100 °C, an additional charge of 250 baht per sample. 2. In case of use temperature control of more than 100 °C, an additional charge of 500 baht per sample. 3. In case of use temperature control range of -70 °C to 26 °C, an additional charge of 500 baht per sample with liquid nitrogen costing 80 baht per liter. 4. In case of testing the number of repetition of increased from 3 repetitions, charge 50 baht per sample.
18	RUBBER03	Quantitative analysis of ash in rubber (ASTM D1278, Wet lab)	Per sample	500	500	5 working days		1. Send 5-10 samples for testing, charge 300 baht/sample. 2. Send > 10 samples for testing, charge 200 baht/sample.
19	RUBBER04	Quantitative analysis of volatile matter in rubber (ASTM D1278, Wet lab)	Per sample	500	500	5 working days		1. Send 5-10 samples for testing, charge 300 baht/sample. 2. Send > 10 samples for testing, charge 200 baht/sample.
20	RUBBER05	Analysis of initial plasticity (P_0) of rubber (Plastimeter)	Per sample	120	200	5 working days		1. Send 5-10 samples for testing, charge 90 baht/sample (inside PSU) and charge 150 baht/sample (outside PSU). 2. Send > 10 samples for testing, charge 60 baht/sample (inside PSU) and charge 100 baht/sample (outside PSU).
21	RUBBER06	Analysis of plasticity retention index (PRI) of ruubber (Plastimeter)	Per sample	240	400	5 working days		1. Send 5-10 samples for testing, charge 120 baht/sample (inside PSU) and charge 200 baht/sample (outside PSU). 2. Send > 10 samples for testing, charge 90 baht/sample (inside PSU) and charge 150 baht/sample (outside PSU).
22	RUBBER07	Analysis of rebound resilience at room temperature of rubber (Rebound)	Per sample	240	400	5 working days		1. Send 5-10 samples for testing, charge 120 baht/sample (inside PSU) and charge 200 baht/sample (outside PSU). 2. Send > 10 samples for testing, charge 90 baht/sample (inside PSU) and charge 150 baht/sample (outside PSU). 3. Customer must specify the standard method.

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
23	RUBBER08	Analysis of rebound resilience at room temperature of rubber (Rebound)	Per sample	300	500	5 working days		1. Send 5-10 samples for testing, charge 270 baht/sample (inside PSU) and charge 450 baht/sample (outside PSU). 2. Send > 10 samples for testing, charge 150 baht/sample (inside PSU) and charge 250 baht/sample (outside PSU). 3. Customer must specify the standard method.
24	RUBBER09	Analysis of hardness (Hardness)	Per sample	250	400	5 working days	-	1. Customer must specify type of hardness test such as Shore A, Shore D, Shore OO, IRHD M and Shore C. 2. The surface of sample must be smooth. 3. Send > 10 samples for testing, charge 30 baht/sample (inside PSU) and charge 50 baht/sample (outside PSU).
25	RUBBER10	Analysis of specific gravity of rubber (Densimeter)	Per sample	300	500	5 working days		
26	RUBBER11	Quantitative analysis of mooney viscosity of rubber (Mooney)	Per sample	300	500	5 working days	> 50 g	1. 1 repeat analysis 2. 3 repeat per sample, charge 540 baht/sample (inside PSU) and charge 900 baht/sample (outside PSU). 3. Send > 5 samples (1 repeat), charge 180 baht/sample (inside PSU) and charge 300 baht/sample (outside PSU).
27	RUBBER12	Analysis of curing of rubber (MDR)	Per sample	300	500	5 working days		1. 1 repeat analysis 2. 3 repeat per sample, charge 540 baht/sample (inside PSU) and charge 900 baht/sample (outside PSU). 3. Send > 5 samples (1 repeat), charge 180 baht/sample (inside PSU) and charge 300 baht/sample (outside PSU). 4. In the case of MDR test for molding, charge 120 baht/sample (inside PSU) and charge 200 baht/sample (outside PSU).
28	RUBBER13	Analysis of rheology of rubber (RPA)	Per sample	360	600	5 working days		1. 1 repeat analysis 2. 3 repeat per sample, charge 600 baht/sample (inside PSU) and charge 1,000 baht/sample (outside PSU). 3. Send > 5 samples (1 repeat), charge 240 baht/sample (inside PSU) and charge 400 baht/sample (outside PSU).

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
29	RUBBER14	Analysis of additive dispersion in rubber (Disper grader)	Per sample	300	500	7 working days		1. Send 5-10 samples for testing, charge 120 baht/sample (inside PSU) and charge 200 baht/sample (outside PSU). 2. Send > 10 samples for testing, charge 60 baht/sample (inside PSU) and charge 100 baht/sample (outside PSU).
30	RUBBER15	Analysis of limiting oxygen index (LOI) (Oxygen index)	Per sample	900	1,500	7 working days	-	1. Send 5-10 samples for testing, charge 720 baht/sample (inside PSU) and charge 1,200 baht/sample (outside PSU). 2. Send > 10 samples for testing, charge 600 baht/sample (inside PSU) and charge 1,000 baht/sample (outside PSU).
31	RUBBER16	Analysis of ross flexing of rubber (Ross flexing)	Per sample	480	800	10 working days	-	
32	RUBBER17	Analysis of de mattia of rubber (De mattia) (	Per sample	480	800	10 working days	-	1. In the case of sending > 2 samples, make appointment for received test results 8 working days.
33	RUBBER18	Analysis of thickness (average 5 points) (Thickness gauge)	Per sample	60	100	3 working days	thickness > 0.01 mm	
34	RUBBER19	Analysis of deformation after pressing of rubber (Compression set)	Per sample	500	500	5 working days		1. In the case of sample must be mold and tested > 24 hours, make appointment to received test result will be extended according to additional time. 2. Send 5-10 samples for testing, charge 300 baht/sample. 3. Send > 10 samples for testing, charge 200 baht/sample.
35	RUBBER20	Accelerating with geer aging of rubber	Per day	480	800	7 working days		1. Additional appointment date 2 working days to receive test result in case of accelerating ≥ 3 days. 2. In case of time period 3. In the case of fractional hour, the charge 40 baht/hour.
36	RUBBER21	Accelerating with ozone of rubber with light intensity is not more than 100 pphm	Per day	800	800	7 working days		1. Additional appointment date 2 working days to receive test result in case of accelerating ≥ 3 days. 2. Accelerating with ozone of rubber with light intensity is more than 100 pphm, charge 1,000 baht/day.

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
37	RUBBER22	Quantitative analysis of dirt of block rubber (ASTM D1278, Wet lab)	Per sample	500	500	7 working days	-	1. Send 5-10 samples for testing, charge 300 baht/sample. 2. Send > 10 samples for testing, charge 200 baht/sample.
38	RUBBER23	Cutting dumbbell sample (Dumbbell)	Per sample	50	50	3 working days		
39	RUBBER24	Analysis of stress relaxation of rubber compound or vulcanized rubber (TSSR)	Per sample	360	600	5 working days		
40	RUBBER25	Analysis of conductivity resistance (per volume) (Megohm)	Per sample	360	600	5 working days	> 50 mm x 50 mm x (หนา 1 mm - 5 mm) 3 pieces or > 100 mm x 100 mm x (หนา 1 mm - 5 mm) 3 pieces (in case of ISO 14309)	1. Send 5-10 samples for testing, charge 240 baht/sample (inside PSU) and charge 400 baht/sample (outside PSU). 2. Send > 10 samples for testing, charge 180 baht/sample (inside PSU) and charge 300 baht/sample (outside PSU). 3. Customer must specify voltage value (Volt) for testing such as 10 V, 25 V, 50 V, 100 V, 250 V, 500 V or 1,000 V. 4. Calculate price per 1 volt.

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
41	RUBBER26	Analysis of conductivity resistance (per surface area) (Megohm)	Per sample	360	600	5 working days	> 50 mm x 5 mm x (หนา 1 mm - 5 mm) 3 pieces or > 100 mm x 100 mm x (หนา 1 mm - 5 mm) 3 pieces (in case of ISO 14309)	1. Send 5-10 samples for testing, charge 240 baht/sample (inside PSU) and charge 400 baht/sample (outside PSU). 2. Send > 10 samples for testing, charge 180 baht/sample (inside PSU) and charge 300 baht/sample (outside PSU). 3. Customer must specify voltage value (Volt) for testing such as 10 V, 25 V, 50 V, 100 V, 250 V, 500 V or 1,000 V. 4. Calculate price per 1 volt.
42	RUBBER27	Accelerating of weathering (QUV)	per not more than 24 hours	3,000	3,000	7 working days		1. Customer specifies condition of analysis: UV A, UV B and condense of water 2. The appointment date to receive test result is determined base on the time of accelerated incubation require by customer. 3. Day 2 on wards is charged at 45 baht per hour.
43	RUBBER28	Sample mixer with internal mixer II	Per sample	360	600	5 working days	-	
44	RUBBER29	Analysis of retraction at lower temperature of rubber (TR)	Per sample	600	1,000	5 working days		1. Send 5-10 samples for testing, charge 480 baht/sample (inside PSU) and charge 800 baht/sample (outside PSU). 2. Send > 10 samples for testing, charge 360 baht/sample (inside PSU) and charge 600 baht/sample (outside PSU).

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
45	RUBBER30	Analysis of DIN abrasion	Per sample	1,500	1,500	5 working days		1. Customer must specifies testing according to ISO 4649 Method A or Method B. 2. Send 5-10 samples for testing, charge 720 baht/sample (inside PSU) and charge 1,200 baht/sample (outside PSU). 3. Send > 10 samples for testing, charge 600 baht/sample (inside PSU) and charge 1,000 baht/sample (outside PSU).
46	RUBBER31	Analysis of taber abrasion	Per sample	1,500	1,500	5 working days		1. Send 5-10 samples for testing, charge 720 baht/sample (inside PSU) and charge 1,200 baht/sample (outside PSU). 2. Send > 10 samples for testing, charge 600 baht/sample (inside PSU) and charge 1,000 baht/sample (outside PSU).
47	RUBBER32	Analysis of NBS abrasion	Per sample	1,500	1,500	5 working days	> 10 mm x 10 mm x 6 mm	1. Send 5-10 samples for testing, charge 720 baht/sample (inside PSU) and charge 1,200 baht/sample (outside PSU). 2. Send > 10 samples for testing, charge 600 baht/sample (inside PSU) and charge 1,000 baht/sample (outside PSU).
48	RUBBER34	Analysis of heat build up (Flexometer)	Per sample	600	1,000	5 working days		1. Additional charge in case of rubber compound molding. 2. Customer specify stroke value in mm unit and condition for testing. 3. Send 5-10 samples for testing, charge 540 baht/sample (inside PSU) and charge 900 baht/sample (outside PSU). 4. Send > 10 samples for testing, charge 480 baht/sample (inside PSU) and charge 800 baht/sample (outside PSU).

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
49	RUBBER35	Analysis of blow out (Flexometer)	Per sample	600	1,000	5 working days		1. Additional charge in case of rubber compound molding. 2. Customer specify condition for testing. 3. Send 5-10 samples for testing, charge 540 baht/sample (inside PSU) and charge 900 baht/sample (outside PSU). 4. Send > 10 samples for testing, charge 480 baht/sample (inside PSU) and charge 800 baht/sample (outside PSU).
50	RUBBER36	Analysis of capillary rheology of rubber (Capillary rheometer)	Per sample	600	1,000	5 working days	> 100 g	1. Send 5-10 samples for testing, charge 540 baht/sample (inside PSU) and charge 900 baht/sample (outside PSU). 2. Send > 10 samples for testing, charge 480 baht/sample (inside PSU) and charge 800 baht/sample (outside PSU).
51	RUBBER37	Accelerating of multi cell aging	per day	720	1,200	5 working days	sheet >10 cm x 10 cm	1. Customer must specify condition of method. 2. Additional appointment date 2 working days to receive test result in case of accelerating ≥ 3 days. 3. In case of time period < 1 hour, the charge 200 baht/time. 4. In the case of fractional hour, the charge 40 baht/hour.
52	RUBBER38	Analysis of Creep & Stress	Per sample	300	500	5 working days	> 246 mm x 29 mm: 6 pieces	1. Customer must specify condition of method such as temperature, elongation range and force. 2. In the case of testing > 24 hours, additional charge 200 baht/sample.
53	RUBBER39	Analysis of akron abrasion	Per sample	1,500	1,500	7 working days		1. Send 5-10 samples for testing, charge 720 baht/sample (inside PSU) and charge 1,200 baht/sample (outside PSU). 2. Send > 10 samples for testing, charge 600 baht/sample (inside PSU) and charge 1,000 baht/sample (outside PSU).
54	RUBBER40	Analysis of swelling index of rubber (ASTM D3616, Wet lab)	Per sample	300	500	5 working days	> 100 g	
55	RUBBER41	Analysis of gel content of rubber (ISO1166, Wet lab)	Per sample	300	500	5 working days	> 100 g	
56	RUBBER44	Analysis of dimension	per dimension	100	100	3 working days		

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
57	RUBBER45	Analysis of peel strength (Tensile)	Per sample	300	500	5 working days	> 25 mm x 305 mm: 10 pieces	
58	RUBBER46	Cutting sample with foam cutter	Per sample	50	50	3 working days		
59	RUBBER47	Incubating sample with geer oven (for preparation sample to analysis with other equipment of OSIT)	Per day/sample	300	300	7 working days	> 1 piece	
60	RUBBER48	Analysis of scorch time of rubber (Mooney)	Per sample	300	500	5 working days	> 30 g	1. 1 replicate 2. In the case of 3 replicate, charge 540 baht/sample (inside PSU) and charge 900 baht/sample (outside PSU). 3. In the case of sending > 5 sample (1 replicate), charge 180 baht/sample (inside PSU) and charge 300 baht/sample (outside PSU). 4. In the case of sending > 5 sample (3 replicate), charge 420 baht/sample (inside PSU) and charge 700 baht/sample (outside PSU).
61	RUBBER49	Analysis of stress relaxation of rubber	Per sample	300	500	5 working days	> 50 g	1. 1 replicate 2. In the case of 3 replicate, charge 540 baht/sample (inside PSU) and charge 900 baht/sample (outside PSU). 3. In the case of sending > 5 sample (1 replicate), charge 180 baht/sample (inside PSU) and charge 300 baht/sample (outside PSU). 4. In the case of sending > 5 sample (3 replicate), charge 420 baht/sample (inside PSU) and charge 700 baht/sample (outside PSU). 5. Customer must specify test of condition.
62	RUBBER50	Molding of rubber	Per sample	200	200	5 working days	-	1. Customer must specify the temperature and time for molding.
63	RUBBER51	Analysis of indentation hardness index (Foam compression)	Per sample	300	500	5 working days		1. Send 5-10 samples for testing, charge 240 baht/sample (inside PSU) and charge 400 baht/sample (outside PSU). 2. Send > 10 samples for testing, charge 180 baht/sample (inside PSU) and charge 300 baht/sample (outside PSU).
64	RUBBER52	Analysis of thickness (average 5 points)	Per sample	60	100	5 working days	-	

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
65	RUBBER53	Analysis of conductivity of materials (Conductivity)	Per sample	360	600	5 working days		1. Send 5-10 samples for testing, charge 240 baht/sample (inside PSU) and charge 400 baht/sample (outside PSU). 2. Send > 10 samples for testing, charge 180 baht/sample (inside PSU) and charge 300 baht/sample (outside PSU).
66	RUBBER54	Analysis of constant compression strength (Foam constant load)	Per sample	1,020	1,700	7 working days		1. Test not more than 24 hours/1 replicate or 3 replicate/sample. 2. In the case of testing
67	RUBBER55	Milling and mixing with two roll mill	Per sample	300	300	5 working days	< 1 kg	
68	RUBBER56	Determination of percentage changes in vulcanized rubber properties according to ISO 1817 and ASTM D471	Per sample	500	500	7 working days		1 .For % Change in Volume testing, the service fee is 500 THB per sample. 2. For % Change in Dimension (Vernier) testing, the service fee is 500 THB per sample. 3. For % Change in Mass testing, the service fee is 500 THB per sample. 4. For % Change in Tensile Properties testing, the service fee is 1,200 THB per sample. 5. For % Change in Hardness testing, the service fee is 800 THB per sample. 6. For % Change in Strength testing, the service fee is 1,200 THB per sample. 7. The cost of oil used in the test will be charged based on actual consumption, up to a maximum of 1,000 THB per sample. 8. If the oil immersion period exceeds 5 days, the reporting date will be extended by 2 working days in addition to the immersion period.
69	RUBBER59	QSUN Weathering tester	per not more than 24 hours	6,000	6,000	10 working days		1. Customer specifies condition and standard method. 2. The appointment date to receive test result is determined base on the time of accelerated incubation require by customer. 3. Day 2 on wards is charged at 90 baht per hour.

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
70	RUBBER60	Air permeability	Per sample	360	400	5 working days	-	1. Send 5-10 samples for testing, charge 120 baht/sample (inside PSU) and charge 200 baht/sample (outside PSU). 2. Send > 10 samples for testing, charge 90 baht/sample (inside PSU) and charge 150 baht/sample (outside PSU). 3. Customer must specify the units of various values used such as area and pressure, etc.
71	RUBBER61	Pendulum test value of surface (Skid)	Per sample	600	1,000	5 working days		1. Send 5-10 samples for testing, charge 480 baht/sample (inside PSU) and charge 800 baht/sample (outside PSU). 2. Send > 10 samples for testing, charge 360 baht/sample (inside PSU) and charge 600 baht/sample (outside PSU). 3. Customer must specify the test type as wet or dry.
72	RUBBER62	Horizontal burning rate (Horizontal flammability)	Per sample	1,500	2,500	7 working days		1. Send 5-10 samples for testing, charge 1,200 baht/sample (inside PSU) and charge 2,000 baht/sample (outside PSU). 2. Send > 10 samples for testing, charge 900 baht/sample (inside PSU) and charge 1,500 baht/sample (outside PSU). 3. Customer must specify the standard method.
73	RUBBER63	Analysis of flammability and vertical burning (UL94)	Per sample	2,100	3,500	12 working days	-	1. Send 5-10 samples for testing, charge 1,800 baht/sample (inside PSU) and charge 3,000 baht/sample (outside PSU). 2. Send > 10 samples for testing, charge 1,500 baht/sample (inside PSU) and charge 2,500 baht/sample (outside PSU).
74	RUBBER64	Analysis of flammability and horizontal burning (UL94)	Per sample	1,500	2,500	7 working days		1. Send 5-10 samples for testing, charge 1,200 baht/sample (inside PSU) and charge 2,000 baht/sample (outside PSU). 2. Send > 10 samples for testing, charge 900 baht/sample (inside PSU) and charge 1,500 baht/sample (outside PSU).

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
75	RUBBER65	Analysis of ignition of material (heat release rate, HRR) (Cone calorimeter)	Per sample	15,000	15,000	7 working days		1. Testing 1 repeat/sample 2. Test 3 samples (repeat/sample) or 3 repeats from multiple samples, charge 13,000 baht/sample or /repeat. 3. Test 4-10 samples (repeat/sample) or 4-10 repeats from multiple samples, charge 10,000 baht/sample or /repeat. 4. Test > 10 samples (repeat/sample) or > 10 repeats from multiple samples, charge 8,000 baht/sample or /repeat.
76	RUBBER66	Splitting of rubber sample to thickness range 0.5 mm - 20 mm (3 pieces) (Bandknife)	Per sample	50	50	3 working days		1. Customer must inform expected dimension of sample.
77	RUBBER67	Analysis of stiffness at low temperature (Gehman)	Per sample	600	1,000	7 working days		1. Send 5-10 samples for testing, charge 480 baht/sample (inside PSU) and charge 800 baht/sample (outside PSU). 2. Send > 10 samples for testing, charge 360 baht/sample (inside PSU) and charge 600 baht/sample (outside PSU). 3. Temperature range: -70 °C to 30 °C
78	RUBBER68	Analysis of brittleness temperature (identify temperature range -100 °C to 30 °C) (Brittleness)	Per sample	600	1,000	7 working days		1. Send 5-10 samples for testing, charge 480 baht/sample (inside PSU) and charge 800 baht/sample (outside PSU). 2. Send > 10 samples for testing, charge 360 baht/sample (inside PSU) and charge 600 baht/sample (outside PSU). 3. In case of testing at specific temperature of the same sample, additional charge 500 baht/sample. 4. In case of testing only specific temperature, charge 800 baht/sample.
79	RUBBER69	Analysis of brittleness temperature (unidentified temperature) (Brittleness)	Per sample	1,200	2,000	7 working days		1. Send 5-10 samples for testing, charge 900 baht/sample (inside PSU) and charge 1,500 baht/sample (outside PSU). 2. Send > 10 samples for testing, charge 600 baht/sample (inside PSU) and charge 1,000 baht/sample (outside PSU). 3. Temperature range of testing of -100 °C to 30 °C.

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
80	RUBBER70	Low Temperature Compression Set Test	Per sample	600	1,000	7 working days		1. For testing periods exceeding 1 day, an additional fee of 200 THB per sample per day will be charged. 2. For Type A samples tested in triplicate: 2.1 An additional fee of 1,000 THB per replicate will be charged. 2.2 For a 48-hour test, the turnaround time will be extended to 10 working days. For a 72-hour test, the turnaround time will be extended to 12 working days, as the test can be performed on only one specimen per sample at a time.
81	RUBBER71	Analysis of contact angle	Per sample	360	600	5 working days		1. Send 5-10 samples for testing, charge 300 baht/sample (inside PSU) and charge 500 baht/sample (outside PSU). 2. Send > 10 samples for testing, charge 240 baht/sample (inside PSU) and charge 400 baht/sample (outside PSU).
82	RUBBER73	Acceleration or storage sample in condition of 4°C - 150 °C (Climatic chamber)	per not more than 24 hours	400	400	8 working days		1. Day 2 on wards is charged at 30 baht per hour. 2. Customer must specify test condition.
83	RUBBER74	Acceleration or storage sample in condition of (-45)°C - 3°C (Climatic chamber)	per not more than 24 hours	500	500	5 working days		1. Day 2 on wards is charged at 30 baht per hour. 2. Customer must specify test condition.
84	RUBBER75	Acceleration or storage sample in condition of (15°C - 95°C, 15%RH - 98%RH) (Climatic chamber)	per not more than 24 hours	600	600	5 working days		1. Day 2 on wards is charged at 40 baht per hour. 2. Customer must specify test condition.
85	RUBBER79	Analysis of surface energy (Contact angle)	Per sample	1,200	1,200	5 working days		1. At least two liquids with different surface tension properties are required for the analysis. 2. For analyses requiring more than two solvents, an additional charge of 600 THB will be applied for each extra solvent.
86	RUBBER80	Analysis of surface tension (Surface Tension)	Per sample	420	700	5 working days		1. Send 5-10 samples for testing, charge 360 baht/sample (inside PSU) and charge 600 baht/sample (outside PSU). 2. Send > 10 samples for testing, charge 300 baht/sample (inside PSU) and charge 500 baht/sample (outside PSU).
87	Rubber81	Quantitative analysis of powder in rubber gloves	Per sample	500	500	7 working days	-	
88	Rubber82	Test of watertightness of rubber gloves	Per sample	3,500	3,500	7 working days	> 200 pieces	

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
89	Rubber83	Test of vertical ball rebound	Per sample	600	1,000	5 working days		TSI 2739-2559
90	Rubber84	Accelerating with outdoor weathering tester	per day	600	600	12 working days		1. Customer must specify condition and standard method. 2. Appointment to receive test result may be change from condition of method.
91	Rubber85	Accelerating with outdoor ozone resistance tester	per day	600	600	12 working days		1. Customer must specify condition and standard method. 2. Appointment to receive test result may be change from condition of method.
92	Rubber86	Test of static and kinetic friction coefficient of material	Per sample	480	800	5 working days	> 250 mm X 200 mm	1. Send 5-10 samples for testing, charge 300 baht/sample (inside PSU) and charge 500 baht/sample (outside PSU). 2. Send > 10 samples for testing, charge 240 baht/sample (inside PSU) and charge 400 baht/sample (outside PSU).
93	Rubber87	NSS (Neutral salt spray) anti-corrosion test with condition of temperature 35 degree Celsius and salt streaming rate 0.75 mL/80 cm^2/hr - 1.50 mL/80 cm^2/hr	Per hour	30	50	10 working days		1. Appointments for test result starts from the end date of the test condition. 2. Customer must specify condition of method
94	Rubber88	AASS (Acetic acid salt spray) anti-corrosion test with condition of temperature 35 degree Celsius, salt streaming rate 0.75 mL/80 cm^2/hr - 1.50 mL/80 cm^2/hr and acetic acid filling	Per hour	36	60	10 working days		1. Appointments for test result starts from the end date of the test condition.
95	Rubber89	CASS (Copper-accelerated acetic acid salt spray) anti-corrosion test with condition of temperature 50 degree Celsius, salt streaming rate 0.75 mL/80 cm^2/hr - 1.50 mL/80 cm^2/hr and acetic acid with copper accelerator filling	Per hour	36	60	10 working days		1. Appointments for test result starts from the end date of the test condition.
96	Rubber90	Cyclic corrosion-Air drying anti-corrosion test with condition of temperature 25 degree Celsius - 70 degree Celsius	Per hour	90	150	10 working days		1. Appointments for test result starts from the end date of the test condition.
97	Rubber91	Cyclic corrosion-Wetting anti-corrosion test with condition of temperature 25 degree Celsius - 70 degree Celsius and relative humidity 95%RH-100%RH	Per hour	120	200	10 working days		1. Appointments for test result starts from the end date of the test condition.
98	Rubber92	Cyclic corrosion-Controlled temperature and humidity anti-corrosion test with condition of temperature 25 degree Celsius - 60 degree Celsius and relative humidity 20%RH-95%RH	Per hour	150	250	10 working days		1. Appointments for test result starts from the end date of the test condition.

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
99	RUBBER93	Test of Lovibond color	Per sample	300	300	5 working days		1. In case of sending 5-9 samples for testing, the service charge is 200 baht/sample. 2. In case of sending 10 samples or more for testing, the service charge is 150 baht/sample.
100	Solvent permeability01	Analysis of solvent permeability of glove (1 solvent)	Per sample	2,500	2,500	8 working days	> 10 piece/Solvent	1. Solvents are methanol, acetone, acetonitrile, dichloromethane, toluene, diethylamine, propanol, n-heptane 2. Test case > 2 samples make an appointment for additional test results 2 days/Sample/solvent. 3. EN374-1
101	Solvent permeability02	Analysis of solvent permeability (> 1 solvent) (additional charge from Solvent permeability01)	Per sample	1,500	1,500	10 working days	> 10 piece/Solvent	1. Solvents are methanol, acetone, acetonitrile, dichloromethane, toluene, diethylamine, propanol, n-heptane 2. Test case > 2 samples make an appointment for additional test results 2 days/sample/solvent. 3. EN374-1

ทดสอบน้ำ

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
1	WATER01	Analysis of untreated water (As, Pb, Fe, chloride, sulfate, turbidity, fluoride, color, nitrate, Hardness, pH and TS)	Per sample	1,600	1,600	7 working days	> 1 L	
2	WATER02	Analysis of drinking water (As, Pb, Fe, chloride, fluoride, nitrate, hardness, pH, TS, *E.coli* , *S.aureus* , *Salmonella* sp. and Coliforms)	Per sample	3,300	3,300	7 working days	> 1 L	
3	WATER03	Comprehensive Drinking Water Analysis (pH, TDS, Total Hardness, Pb, Fluoride, Nitrate, Coliforms, E. coli, Salmonella spp., and S. aureus) (Thai FDA Notification No. 462, 2025)	Per sample	3,300	3,300	7 working days	> 1.5 L	

การทดสอบน้ำมันเตา

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
1	FUEL_OIL01	Analysis of density at 15 °C	Per sample	500	500	5 working days	> 500 mL	
2	FUEL_OIL02	Quantitative analysis of ash	Per sample	1,000	1,000	8 working days	> 100 mL	
3	FUEL_OIL03	Analysis of gross heating value	Per sample	840	1,400	7 working days	> 10 g	

ทดสอบผลิตภัณฑ์ฟองน้ำลาเท็กซ์สาหรับทำหมอน (มอก.2741-2559)

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
1	RP-TIS-2741-01	Analysis of general characteristics	Per sample	100	100	3 working days	1 piece	
2	RP-TIS-2741-02	Quantitative analysis of total rubber	Per sample	970	970	5 working days	1 pieces	
3	RP-TIS-2741-03	Analysis of density	Per sample	500	500	5 working days	1 pieces	
4	RP-TIS-2741-04	Analysis of hardness index	Per sample	400	400	5 working days	1 piece	
5	RP-TIS-2741-05	Accelerating with geer aging	Per sample	1,000	1,000	7 working days	1 piece	
6	RP-TIS-2741-06	Analysis of compression set	Per sample	400	400	5 working days	1 piece	
7	RP-TIS-2741-07	Analysis of constant compression strength	Per sample	1,700	1,700	7 working days	1 piece	
8	RP-TIS-2741-08	Logo and label	Per sample	100	100	3 working days	1 piece	
9	RP-TIS-2741-09	Packing	Per sample	100	100	3 working days	1 piece	

ทดสอบผลิตภัณฑ์ฟองน้ำลาเท็กซ์สาหรับทำที่นอน (มอก.2747-2559)

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
1	RP-TIS-2747-01	Analysis of general characteristics	Per sample	100	100	3 working days	1 pieces	
2	RP-TIS-2747-02	Quantitative analysis of total rubber	Per sample	970	970	5 working days	1 piece	
3	RP-TIS-2747-03	Analysis of density	Per sample	500	500	5 working days	1 piece	
4	RP-TIS-2747-04	Analysis of hardness index	Per sample	400	400	5 working days	1 piece	
5	RP-TIS-2747-05	Accelerating with geer aging	Per sample	1,000	1,000	7 working days	1 piece	
6	RP-TIS-2747-06	Analysis of compression set	Per sample	400	400	5 working days	1 piece	
7	RP-TIS-2747-07	Analysis of constant compression strength	Per sample	1,700	1,700	7 working days	1 piece	
8	RP-TIS-2747-08	Logo and label	Per sample	100	100	3 working days	1 piece	
9	RP-TIS-2747-09	Packing	Per sample	100	100	3 working days	1 piece	

ทดสอบผลิตภัณฑ์แผ่นยางปูพื้น (มอก.2377-2559)

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
1	RP-TIS-2377-01	Molding and cutting of sample	Per sample	600	600	5 working days	rubber floor mat 10 pieces/ mixed rubber 2 kg	Specify temperature and time for rubber molding
2	RP-TIS-2377-02	Analysis of width, length and thickness	Per sample	300	300	5 working days	1 piece	
3	RP-TIS-2377-03	Analysis of general characteristics	Per sample	100	100	3 working days	1 piece	
4	RP-TIS-2377-04	Analysis of hardness	Per sample	400	400	5 working days	1 piece	
5	RP-TIS-2377-05	Analysis of tensile strength and elongation	Per sample	400	400	5 working days	1 piece	
6	RP-TIS-2377-06	Accelerating with geer aging	Per sample	1,400	1,400	10 working days	1 piece	
7	RP-TIS-2377-07	Analysis of DIN abrasion	Per sample	800	800	5 working days	1 piece	
8	RP-TIS-2377-08	Analysis of compression set	Per sample	400	400	5 working days	1 piece	
9	RP-TIS-2377-09	Accelerating of weathering	Per sample	9,600	9,600	10 working days	1 piece	For floor mat type 2 (using outside)
10	RP-TIS-2377-10	Logo and label	Per sample	100	100	3 working days	1 piece	
11	RP-TIS-2377-11	Packing	Per sample	100	100	3 working days	1 piece	

ทดสอบผลิตภัณฑ์บล็อคยางปูพื้น (มอก.2378-2559)

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
1	RP-TIS-2378-01	Molding and cutting of sample	Per sample	600	600	5 working days	floor mat block 10 pieces/ mixed rubber 2 kg	
2	RP-TIS-2378-02	Analysis of width, length and thickness	Per sample	300	300	5 working days	1 piece	
3	RP-TIS-2378-03	Analysis of general characteristics	Per sample	400	400	3 working days	1 piece	
4	RP-TIS-2378-04	Analysis of hardness	Per sample	400	400	5 working days	1 piece	
5	RP-TIS-2378-05	Analysis of tensile strength and elongation	Per sample	400	400	5 working days	1 piece	
6	RP-TIS-2378-06	Accelerating with geer aging	Per sample	1,400	1,400	7 working days	1 piece	
7	RP-TIS-2378-07	Analysis of DIN abrasion	Per sample	800	800	5 working days	1 piece	
8	RP-TIS-2378-08	Analysis of pressed modulus	Per sample	400	400	5 working days	1 piece	
9	RP-TIS-2378-09	Accelerating with weathering	Per sample	9,600	9,600	10 working days	1 piece	For floor mat block type 2 (using outside)
10	RP-TIS-2378-10	Accelerating with ozone	Per sample	2,400	2,400	7 working days	1 piece	For floor mat block type 2 (using outside)
11	RP-TIS-2378-11	Logo and label	Per sample	100	100	3 working days	1 piece	
12	RP-TIS-2378-12	Packing	Per sample	100	100	3 working days	1 piece	

ทดสอบผลิตภัณฑ์แผ่นยางปูพื้นคอกสัตว์ (มอก.2584-2556)

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
1	RP-TIS-2584-01	Molding and cutting of sample	Per sample	600	600	5 working days	5 pieces/ compound 1 kg	
2	RP-TIS-2584-02	Analysis of width, length and thickness	Per sample	300	300	5 working days	5 pieces	Report by average result of 5 pieces
3	RP-TIS-2584-03	Analysis of general characteristics	Per sample	100	100	3 working days	1 piece	
4	RP-TIS-2584-04	Analysis of hardness	Per sample	400	400	5 working days	1 piece	
5	RP-TIS-2584-05	Analysis of tensile strength and elongation at break	Per sample	400	400	5 working days	1 piece	
6	RP-TIS-2584-06	Accelerating with geer aging	Per sample	1,400	1,400	7 working days	1 piece	
7	RP-TIS-2584-07	Analysis of DIN abrasion	Per sample	800	800	5 working days	1 piece	
8	RP-TIS-2584-08	Analysis of compression set	Per sample	400	400	5 working days	1 piece	
9	RP-TIS-2584-09	Analysis of tear strength	Per sample	400	400	5 working days	1 piece	
10	RP-TIS-2584-10	Logo and label	Per sample	100	100	3 working days	1 piece	
11	RP-TIS-2584-11	Packing	Per sample	100	100	3 working days	1 piece	

ทดสอบผลิตภัณฑ์วัสดุแผ่นเส้นใยสังเคราะห์ลุมดินชนิดเสริมแรง

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
1	Reinforce Geomat-01	Analysis of width, length and thickness	Per sample	300	300	5 working days	> 1 piece	
2	Reinforce Geomat-02	Quantitative analysis of coating	Per sample	500	500	7 working days	> 1 piece	
3	Reinforce Geomat-03	Analysis of type of polymer	Per sample	900	900	5 working days	> 1 piece	
4	Reinforce Geomat-04	Analysis of weight per unit	Per sample	400	400	7 working days	> 1 piece	
5	Reinforce Geomat-05	Analysis of melting point	Per sample	970	970	6 working days	> 1 piece	
6	Reinforce Geomat-06	Analysis of density	Per sample	600	600	5 working days	> 1 piece	
7	Reinforce Geomat-07	Analysis of UV resistance	Per sample	2,500	2,500	10 working days	> 1 piece	
8	Reinforce Geomat-08	Analysis of thickness at compressed load 2 kPa	Per sample	400	400	10 working days	> 1 piece	
9	Reinforce Geomat-09	Quantitative analysis of Aluminium and Zinc	Per sample	1,400	1,400	11 working days	> 1 piece	

ทดสอบผลิตภัณฑ์น้ำส้มควันไม้ดิบ (มผช.659/2547), น้ำส้มควันไม้กลั่น (มผช.660/2547)

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
1	Wood Vinegar01	Analysis of general characteristics	Per sample	100	100	7 working days	> 50 mL	Contained in closed container
2	Wood Vinegar02	Analysis of odor	Per sample	100	100	7 working days	> 50 mL	
3	Wood Vinegar03	Analysis of pH	Per sample	400	400	5 working days	> 50 mL	
4	Wood Vinegar04	Analysis of specific gravity at temperature 25 degree Celsius	Per sample	600	600	6 working days	> 100 mL	
5	Wood Vinegar05	Qualitative analysis of organic compounds	Per sample	1,800	3,000	8 working days	> 1 mL	Main compounds such as formic acid, acetic acid, phenol and other organic compounds

ทดสอบยางรัดของตามมาตรฐานผลิตภัณฑ์อุตสาหกรรม (มอก.866-2559)

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
1	RP-TIS-886-01	Analysis of width, length and thickness	Per sample	300	300	5 working days	Rubber band > 500 g/ Rubber tube type > 30 m: 3 pieces	
2	RP-TIS-886-02	Analysis of general characteristics	Per sample	100	100	3 working days	Rubber band > 500 g/ Rubber tube type > 30 m: 3 pieces	
3	RP-TIS-886-03	Analysis of tensile strength, elongation at break and modulus at 300%	Per sample	400	400	5 working days	Rubber band > 500 g/ Rubber tube type > 30 m: 1 piece	

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
4	RP-TIS-886-04	Analysis of elongation	Per sample	400	400	5 working days	Rubber band > 500 g/ Rubber tube type > 30 m: 1 piece	
5	RP-TIS-886-05	Analysis of density	Per sample	500	500	5 working days	Rubber band > 500 g/ Rubber tube type > 30 m: 1 piece	
6	RP-TIS-886-06	Analysis of tensile strength and elongation at break after aging for 7 days	Per sample	1,800	1,800	10 working days	Rubber band > 500 g/ Rubber tube type > 30 m: 1 piece	
7	RP-TIS-886-07	Logo and label	Per sample	100	100	3 working days	Rubber band > 500 g/ Rubber tube type > 30 m: 1 piece	

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
8	RP-TIS-886-08	Packing	Per sample	100	100	3 working days	Rubber band > 500 g/ Rubber tube type > 30 m: 1 piece	

ทดสอบแผ่นยางปูสนามฟุตซอล ตามมาตรฐานผลิตภัณฑ์อุตสาหกรรม (มอก.2739-2559)

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
1	RP-TIS-2739-01	Molding and cutting sample	Per sample	600	600	5 working days	compound 1 kg	
2	RP-TIS-2739-02	Analysis of width, length and thickness	Per sample	300	300	5 working days	5 pieces	Report by average result of 5 pieces
3	RP-TIS-2739-03	Analysis of general characteristics	Per sample	100	100	3 working days	5 pieces	
4	RP-TIS-2739-04	Analysis of tensile strength and elongation at break	Per sample	400	400	5 working days	1 piece	
5	RP-TIS-2739-05	Accelerating with geer aging	Per sample	1,000	1,000	7 working days	1 piece	
6	RP-TIS-2739-06	Analysis of DIN abrasion	Per sample	800	800	10 working days	1 piece	
7	RP-TIS-2739-07	Logo and label	Per sample	100	100	3 working days	1 piece	
8	RP-TIS-2739-08	Packing	Per sample	100	100	3 working days	1 piece	

ทดสอบน้ำยางคอมพาวด์เคลือบผ้าปูสระกักเก็บน้ำ ตามมาตรฐานผลิตภัณฑ์อุตสาหกรรม มอก.2733-2559

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
1	RP-TIS-2733-01	Analysis of general characteristics	Per sample	100	100	3 working days	> 500 g	
2	RP-TIS-2733-02	Quantitative analysis of total solids	Per sample	400	400	5 working days	> 100 mL	
3	RP-TIS-2733-03	Analysis of viscosity	Per sample	550	550	5 working days	> 600 mL	
4	RP-TIS-2733-04	Analysis of vulcanization level	Per sample	500	500	5 working days	> 500 mL	
5	RP-TIS-2733-05	Analysis of tensile strength and elongation at break of dried rubber	Per sample	400	400	5 working days	Rubber sheet size 50 cm x 50 cm: 2 pieces	
6	RP-TIS-2733-06	Accelerating with geer aging of dried rubber	Per sample	1,400	1,400	10 working days	Rubber sheet size 50 cm x 50 cm: 2 pieces	
7	RP-TIS-2733-07	Analysis of tensile strength and elongation at break after aging of dried rubber	Per sample	400	400	5 working days	Rubber sheet size 50 cm x 50 cm: 2 pieces	TIS-2733-2016, rubber sheet

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
8	RP-TIS-2733-08	Analysis of weight per unit of raw yarn fabric	Per sample	300	300	5 working days	raw yarn fabric size 50 cm x 50 cm: 2 pieces	
9	RP-TIS-2733-09	Analysis of thickness of raw yarn fabric	Per sample	100	100	5 working days	raw yarn fabric size 50 cm x 50 cm: 2 pieces	
10	RP-TIS-2733-10	Analysis of amount of yarn per area of woven fabric	Per sample	200	200	5 working days	raw yarn fabric size 50 cm x 50 cm: 2 pieces	
11	RP-TIS-2733-11	Analysis of tensile strength and elongation at break of raw yarn fabric	Per sample	400	400	5 working days	raw yarn fabric size 50 cm x 50 cm: 2 pieces	
12	RP-TIS-2733-12	Analysis of tensile strength and elongation at break of fabric coated rubber	Per sample	400	400	5 working days	Rubber coated fabric size 50 cm x 50 cm: 2 pieces	

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
13	RP-TIS-2733-13	Analysis of tensile strength and elongation at break after aging of fabric coated rubber c	Per sample	400	400	10 working days	fabric coated rubber size 50 cm x 50 cm: 2 pieces	Aging charge form RP-TIS-2733-06
14	RP-TIS-2733-14	Analysis of tear strength of fabric coated rubber	Per sample	400	400	5 working days	fabric coated rubber size 50 cm x 50 cm: 2 pieces	

การเปิดให้บริการทดสอบเม็ดยางใช้ทำพื้นสังเคราะห์ (มอก.2682-2558)

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
1	RP-TIS-2682-01	Analysis of density	Per sample	500	500	5 working days	1 sheet or > 1 kg	
2	RP-TIS-2682-02	Analysis of hardness	Per sample	400	400	5 working days	1 sheet or > 1 kg	
3	RP-TIS-2682-03	Analysis of tensile strength and elongation	Per sample	400	400	5 working days	1 sheet or > 1 kg	
4	RP-TIS-2682-04	Accelerating with geer aging	Per sample	1,400	1,400	7 working days	1 sheet or > 1 kg	

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
5	RP-TIS-2682-05	Accelerating with weathering	Per sample	9,600	9,600	10 working days	1 sheet or > 1 kg	
6	RP-TIS-2682-06	Molding and cutting sample	Per sample	600	600	5 working days	1 sheet or > 1 kg	

ถุงมือยางที่ใช้ในอุตสาหกรรมอาหาร มอก.2505-2553

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
1	RP-TIS-2505-01	Dimensions (width, length and thickness)	Per sample	600	600	5 working days	> 50 pairs	
2	RP-TIS-2505-02	Analysis of tensile strength and elongation at break before aging	Per sample	1,000	1,000	5 working days	> 50 pairs	
3	RP-TIS-2505-03	Analysis of tensile strength and elongation at break after aging	Per sample	1,800	1,800	10 working days	> 50 pairs	
4	RP-TIS-2505-04	Water tightness	Per sample	3,500	3,500	5 working days	> 50 pairs	
5	RP-TIS-2505-05	Powder residue content	Per sample	1,000	1,000	5 working days	> 50 pairs	
6	RP-TIS-2505-06	pH	Per sample	400	400	5 working days	> 50 pairs	
7	RP-TIS-2505-07	Packing	Per sample	100	100	3 working days	> 50 pairs	
8	RP-TIS-2505-08	Logo and label	Per sample	100	100	3 working days	> 50 pairs	

รองเท้าแตะฟองน้ำ มอก.131-2523

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
1	RP-TIS-131-01	General characteristics	Per sample	100	100	3 working days	> 20 pairs per capacity < 35000 pairs	
2	RP-TIS-131-02	Hardness	Per sample	400	400	5 working days	> 20 pairs per capacity < 35000 pairs	
3	RP-TIS-131-03	Tensile strength and maximum elongation	Per sample	700	700	5 working days	> 20 pairs per capacity < 35000 pairs	
4	RP-TIS-131-04	Tear strength	Per sample	400	400	5 working days	> 20 pairs per capacity < 35000 pairs	
5	RP-TIS-131-05	Ross flexing	Per sample	800	800	7 working days	> 20 pairs per capacity < 35000 pairs	

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
6	RP-TIS-131-06	Contraction	Per sample	500	500	5 working days	> 20 pairs per capacity < 35000 pairs	
7	RP-TIS-131-07	Packing	Per sample	100	100	3 working days	> 20 pairs per capacity < 35000 pairs	
8	RP-TIS-131-08	Logo and label	Per sample	100	100	3 working days	> 20 pairs per capacity < 35000 pairs	

เทอร์โมฟอร์มิงรับเบอร์ มอก.2959-2562

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
1	RP-TIS-2959-01	General characteristics	Per sample	100	100	3 working days	> 15 pieces	Each item is packed separately and label.
2	RP-TIS-2959-02	Temperature change	Per sample	200	200	5 working days	> 15 pieces	Each item is packed separately and label.
3	RP-TIS-2959-03	Hardening period	Per sample	100	100	5 working days	> 15 pieces	Each item is packed separately and label.
4	RP-TIS-2959-04	Reusable	Per sample	200	200	5 working days	> 15 pieces	Each item is packed separately and label.

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
5	RP-TIS-2959-05	Hardness	Per sample	720	720	5 working days	> 15 pieces	Each item is packed separately and label.
6	RP-TIS-2959-06	Tensile strength	Per sample	400	400	5 working days	> 15 pieces	Each item is packed separately and label.
7	RP-TIS-2959-07	Packing	Per sample	100	100	3 working days	> 15 pieces	Each item is packed separately and label.
8	RP-TIS-2959-08	Logo and label	Per sample	100	100	3 working days	> 15 pieces	Each item is packed separately and label.

ทดสอบถุงมือยางตามมาตรฐาน EN455

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
1	RP-EN455-01	Width and length	Per sample	400	400	5 working days	> 400 pairs	
2	RP-EN455-02	Water tightness	Per sample	3,500	3,500	5 working days	> 400 pairs	
3	RP-EN455-03	Analysis of tensile strength and elongation at break before aging	Per sample	1,000	1,000	5 working days	> 400 pairs	
4	RP-EN455-04	Analysis of tensile strength and elongation at break after aging	Per sample	1,800	1,800	5 working days	> 400 pairs	
5	RP-EN455-05	Power residue content	Per sample	1,000	1,000	5 working days	> 400 pairs	

ทดสอบถุงมือยางตามมาตรฐาน ISO11193

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
1	RP-ISO11193-01	Dimensions (width, length and thickness)	Per sample	600	600	5 working days	> 400 pairs	
2	RP-ISO11193-02	Water tightness	Per sample	3,500	3,500	5 working days	> 400 pairs	
3	RP-ISO11193-03	Analysis of tensile strength and elongation at break before aging	Per sample	1,000	1,000	5 working days	> 400 pairs	
4	RP-ISO11193-04	Analysis of tensile strength and elongation at break after aging	Per sample	1,800	1,800	10 working days	> 400 pairs	

ทดสอบถุงมือยางตามมาตรฐาน ASTM D 3578

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
1	RP-ASTM D3578-01	Dimensions (width, length and thickness)	Per bag	600	600	5 working days	> 400 pairs	
2	RP-ASTM D3578-02	Water tightness	Per sample	3,500	3,500	5 working days	> 400 pairs	
3	RP-ASTMD3578-03	Analysis of tensile strength, tensile strength at 500% elongation and elongation at break before aging	Per sample	1,000	1,000	5 working days	> 400 pairs	
4	RP-ASTMD3578-04	Analysis of tensile strength and elongation at break after aging	Per sample	1,800	1,800	10 working days	> 400 pairs	
5	RP-ASTMD3578-05	Protein content (ug/g unit)	Per sample	1,200	1,200	5 working days	> 400 pairs	

ทดสอบถุงมือยางตามมาตรฐาน ASTM D 6319

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
1	RP-ASTMD6319-01	Dimensions (width, length and thickness)	Per sample	600	600	5 working days	> 400 pairs	
2	RP-ASTMD6319-02	Water tightness	Per sample	3,500	3,500	5 working days	> 400 pairs	
3	RP-ASTMD6319-03	Analysis of tensile strength and elongation at break before aging	Per sample	1,000	1,000	5 working days	> 400 pairs	
4	RP-ASTMD6319-04	Analysis of tensile strength and elongation at break after aging	Per sample	1,800	1,800	10 working days	> 400 pairs	
5	RP-ASTMD6319-05	Powder residue content	Per sample	1,000	1,000	5 working days	> 400 pairs	

ถุงมือยางปราศจากเชื้อสำหรับการศัลยกรรมชนิดใช้ครั้งเดียว มอก.538-2560

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
1	RP-TIS-538-01	Dimensions (width, length and thickness)	Per sample	600	600	5 working days	> 400 pieces	
2	RP-TIS-538-02	Water tightness	Per sample	3,500	3,500	5 working days	> 400 pieces	
3	RP-TIS-538-03	Analysis of tensile strength and elongation at break before aging	Per sample	1,000	1,000	5 working days	> 400 pieces	

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
4	RP-TIS-538-04	Analysis of tensile strength and elongation at break after aging	Per sample	1,800	1,800	10 working days	> 400 pieces	
5	RP-TIS-538-05	Packing	Per bag	100	100	3 working days	> 400 pieces	
6	RP-TIS-538-06	Logo and label	Per sample	100	100	3 working days	> 400 pieces	

ผลิตภัณฑ์น้ำยางข้นธรรมชาติ (มอก. 980-2552)

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
1	RP-TIS-980-01	General characteristics	Per sample	100	100	3 working days	> 100 mL	
2	RP-TIS-980-02	Color	Per sample	100	100	3 working days	> 100 mL	
3	RP-TIS-980-03	Odour	Per sample	100	100	3 working days	> 100 mL	
4	RP-TIS-980-04	Total solid content (TSC)	Per sample	400	400	5 working days	> 100 mL	
5	RP-TIS-980-05	Dry rubber content (DRC)	Per sample	400	400	7 working days	> 100 mL	
6	RP-TIS-980-06	Non rubber content (NRC)	Per sample	100	100	7 working days	-	Customer must send RP-TIS-980-04 and RP-TIS-980-05.
7	RP-TIS-980-07	Quantitative analysis of total alkalinity as NH_3 in latex	Per sample	600	600	5 working days	> 100 mL	Kept in closed container
8	RP-TIS-980-08	Stability mechanism (MST)	Per sample	400	400	5 working days	> 300 mL	2. In case of customer does not send the test items (RP-TIS-980-04 and RP-TIS-980-07) at the same time, the price is 1400 baht/sample.
9	RP-TIS-980-09	Coagulum	Per sample	400	400	5 working days	> 400 mL	
10	RP-TIS-980-10	Sludge content	Per sample	400	400	5 working days	> 300 mL	
11	RP-TIS-980-11	VFA number	Per sample	600	600	7 working days	> 300 mL	Customer must send RP-TIS-980-04 and RP-TIS-980-05.
12	RP-TIS-980-12	KOH number	Per sample	600	600	7 working days	> 500 mL	Customer must send RP-TIS-980-04 and RP-TIS-980-07.
13	RP-TIS-980-13	Packing	Per sample	100	100	3 working days	1 tank	Tank up to 210 mL and more than 210 mL
14	RP-TIS-980-14	Logo and label	Per sample	100	100	3 working days	-	Check on container

ทดสอบถุงมือสำหรับตรวจวินิจฉัยทางการแพทย์ชนิดใช้ครั้งเดียว (มอก.1056 เล่ม 1-2556)

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
1	RP-TIS-1056-01	Dimensions (width, length and thickness)	Per sample	600	600	5 working days	> 400 pieces	
2	RP-TIS-1056-02	Water tightness	Per sample	3,500	3,500	5 working days	> 400 pieces	
3	RP-TIS-1056-03	Analysis of tensile strength and elongation at break before aging	Per sample	1,000	1,000	5 working days	> 400 pieces	
4	RP-TIS-1056-04	Analysis of tensile strength and elongation at break after aging	Per sample	1,800	1,800	10 working days	> 400 pieces	
5	RP-TIS-1056-05	Packing	Per sample	100	100	3 working days	> 400 pieces	
6	RP-TIS-1056-06	Logo and label	Per sample	100	100	3 working days	> 400 pieces	

ทดสอบกรวยพลาสติกกั้นจราจร (มอก.2899-2561)

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
1	RP-TIS-2899-01	Height of plastic traffic cone	Per sample	100	100	5 working days	6 cones	1. Rubber biennial columns can be tested according to TIS. 2899-2561.
2	RP-TIS-2899-02	Width of cone base	Per sample	100	100	5 working days	6 cones	1. Rubber biennial columns can be tested according to TIS. 2899-2561.
3	RP-TIS-2899-03	Size of the reflective band	Per bag	300	300	5 working days	6 cones	1. Rubber biennial columns can be tested according to TIS. 2899-2561.
4	RP-TIS-2899-04	General characteristics	Per sample	100	100	3 working days	6 cones	1. Rubber biennial columns can be tested according to TIS. 2899-2561.
5	RP-TIS-2899-05	Stability	Per sample	100	100	5 working days	6 cones	1. Rubber biennial columns can be tested according to TIS. 2899-2561.

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
6	RP-TIS-2899-06	Drop resistance	Per sample	400	400	5 working days	6 cones	1. Rubber biennial columns can be tested according to TIS. 2899-2561.
7	RP-TIS-2899-07	Impact resistance	Per sample	1,000	1,000	5 working days	6 cones	1. Rubber biennial columns can be tested according to TIS. 2899-2561.
8	RP-TIS-2899-08	Compression and recovery resistance	Per sample	1,500	1,500	5 working days	6 cones	1. Rubber biennial columns can be tested according to TIS. 2899-2561.
9	RP-TIS-2899-09	Durability	Per sample	41,000	41,000	18 working days	6 cones	1. Rubber biennial columns can be tested according to TIS. 2899-2561.
10	RP-TIS-2899-10	Color change	Per sample	1,200	1,200	20 working days	6 cones	1. Rubber biennial columns can be tested according to TIS. 2899-2561.

น้ำยางคอมพาวนด์สำหรับปรับคุณภาพดินซีเมนต์ (มอก.3399-2565)

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
1	RP-TIS-3399-01	General characteristics	Per sample	100	100	5 working days	> 50 mL	
2	RP-TIS-3399-02	Odour	Per sample	150	150	5 working days	> 50	
3	RP-TIS-3399-03	Rubber content	Per sample	970	970	7 working days	> 10 mg	1. Sample from TSC (RP-TIS-3399-04) testing
4	RP-TIS-3399-04	Total solid content (TSC)	Per sample	400	400	7 working days	> 100 mL	
5	RP-TIS-3399-05	Viscosity at 25 degree Celsius	Per sample	550	550	7 working days	> 600 mL	1. Test with spindle No.1 and speed = 60 rpm
6	RP-TIS-3399-06	pH value	Per sample	400	400	5 working days	> 100 mL	

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
7	RP-TIS-3399-07	Logo and label	Per sample	100	100	5 working days	2 sets	
8	RP-TIS-3399-08	Packing	Per sample	100	100	5 working days	2 sets	

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No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
1	OTHER01	Copy of test report (for the same sample)	per set	100	100	3 working days	-	
2	OTHER02	Copy of test report (for the different sample and language)	per set	100	100	3 working days	-	
3	OTHER03	Copy of test report (for the different sample)	per set	100	100	3 working days	-	
4	NITROGEN_LIQ01	Liquid nitrogen	Per liter	80	80	0 working days	-	
5	NITROGEN_GAS01	Nitrogen gas	Per sample	25	25	0 working days	-	
6	NITROGEN_GAS02	Nitrogen gas	Per day	500	500	0 working days	-	1 day = 24 hours
7	OTHER06	Copy rawdata (Hard copy)	Per list	100	100	3 working days	-	
8	OTHER08	R & D	Per sample	270	450	30 working days	-	
9	OTHER09		-	0	0	0 working days	-	
10	OTHER04	Copy rawdata (electronic file)	per request form	100	100	3 working days	-	
11	OTHER07	Additional interpretation	Per sample	200	200	3 working days	-	
12	CURCUMIN TEST KIT01	Curcumin test kit volume 50 mL	Per bottle	450	450	3 working days	-	Send free postage
13	OTHER05	Overlay electronic rawdata	per request form	100	100	3 working days	-	1. Charge per set for hard copy demand

No	Code	Detail	Unit	Price PSU (Baht)	Price Non PSU (Baht)	Appoint date	Amount of sample	Remarks
14	NMR36	NMR data analysis software cost	Per hour	200	200	0 working days	-	
15	TGA-DSC05	Additional Analysis of TGA or DSC in range of 25 degree Celsius to 1,000 degree Celsius	Per sample	580	970	3 working days	-	

Remark

1. In testing cases, additional materials and chemicals were used. The service fee is charged according to the actual use.

2. In case of the customer wants to receive samples or take samples off-site Additional service charge is charged by area or by quotation.

3. No charge in the case of customers sending samples through various logistics channels, the customer must coordinate before the sample delivery.

4. In the case of testing, there will be additional testing costs. Setup will be charged in addition to the announcement of service rates.

5. In the case of a test trial, the customer must pay the service fee before the test and the scheduled test result date is based on the quotation.

6. In the case of a sample where multiple tests or multiple applications are requested The test results will be scheduled according to the highest test result appointment date.

7. In case of urgent test results The service fee is double and the scheduled date of receiving the result is half the days of the rate announcement. Excluding the cost of materials and chemicals and the cost of copies of test reports.

8. No charge for sample delivery back. Unless the sample is heavy or the sample return agreement based on the quotation.

9. OSIT reserve the right of service rates within the PSU for customers under the PSU only.

10. Discount 50 baht per service request in case of the customer does not want to report the test results for a test item not less than 1,000 baht per sample with the exception of NMR testing and microstructural analysis including sample preparation.

11. In case of other special discounts, we reserve the right to discount item 10.

12.In the case of sample testing services for research projects eligible for Price PSU rates as announced by the Office of Scientific Instrument and Testing, the customer must provide details of the research project before submitting samples each time, along with proof of being the project leader and a research project certification document from Research and Development Office for consideration of eligibility for above service rate. If the customer cannot provide the necessary details or submit the necessary documents, the Office of Scientific Instrument and Testing reserves the right to disregard the Price PSU. Instead, the Office of Scientific Instrument and Testing charge Price Non PSU.