

Proficiency testing programs for the fiscal year 2023 (for international)
Center for Laboratory Proficiency Testing, Department of Science Service

Program	Matrix	Analyze	Price (USD)	Expected number of laboratory	Final Date of Application	Expected start	Contact person
Food	Feeding stuffs	* Water - soluble chlorides (as NaCl)	250	40	15 December 2022	3 January 2023	Mrs. Yaowalux Chinchusak Ms. Suwimol Boonmee Mr. Surasak Thanutchapisut
		* Ca, Cu, Fe, Mg, Mn, K, Na, Zn and P	300	50	13 January 2023	6 February 2023	
		* Moisture, Protein, Crude fat, Crude fiber and Ash	300	100	13 January 2023	18 April 2023	
	Flour	* Moisture, Protein, Ash and pH - value	250	100	13 January 2023	23 January 2023	
	Starch	Aerobic plate count	250	100	13 January 2023	27 February 2023	
	Milk powder	Moisture, Protein, Fat and Ash	250	30	13 January 2023	7 March 2023	
	Food simulant (3% acetic acid)	Heavy metals (Ba, Co, Cu, Fe, Ge, Li, Mn, Sb and Zn) (ASEAN PROGRAM) Range : (0.001 to 50) mg/L for each element	250	15	7 April 2023	22 May 2023	
Environment	Water	* pH - value Range : 4.0 to 7.0 and 7.0 to 10.0	250	400	2 December 2022	13 December 2022	Mrs. Yaowalux Chinchusak Mr. Surasak Thanutchapisut Ms. Nongyao Nontawong
		* Total hardness (as CaCO ₃) and Chlorides (as Cl) Range : (5 to 500) mg/L	300	250	11 November 2022	29 November 2022	
		* Heavy metals (As, Cd, Cr, Cu, Fe, Mn, Ni, Pb, Se and Zn) Range : (0.005 to 5) mg/L for each element	300	200	3 January 2023	16 January 2023	
		* Total Suspended Solids (TSS) Range : (50 to 500) mg/L	250	300	13 January 2023	13 March 2023	
		* Total Dissolved Solids (TDS) Range : (50 to 1000) mg/L	250	300	13 January 2023	27 March 2023	
		* Chemical Oxygen Demand (COD) Range : (100 to 1000) mg/L	250	250	13 January 2023	24 April 2023	

- Note :
- * The programs have been accredited according to ISO/IEC 17043: 2010 by Taiwan Accreditation Foundation (TAF)
 - Proficiency testing providers will select suitable subcontractors for homogeneity testing, stability testing and reference laboratory.
 - For more information, please contact by e-mail: clpt@dss.go.th

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Center for Laboratory Proficiency Testing, Division of Laboratory Competency and Product Certification, Department of Science Service

Program	Matrix	Analyze	Price (USD)	Expected number of laboratory	Final Date of Application	Expected start	Contact person
Environment (cont.)	Water (cont.)	Mercury (Hg) (pilot study) Range : (1 to 10) µg/L	-	30	31 March 2023	15 May 2023	Mrs. Yaowalux Chinchusak Mr. Surasak Thanutchapisut Ms. Nongyao Nontawong
		Total Kjeldahl Nitrogen (TKN) Range : (10 to 100) mg/L	250	100	31 March 2023	19 June 2023	
		Biochemical Oxygen Demand (BOD ₅) Range : (50 to 300) mg/L	250	200	31 March 2023	26 June 2023	
Chemistry	Block rubber	Dirt, Ash, Nitrogen, Volatile matter, Po, PRI, Colour and Mooney viscosity (round 1)	250	80	25 November 2022	9 January 2023	Mrs. Yaowalux Chinchusak Ms. Nongyao Nontawong Ms. Suwimol Boonmee
		Dirt, Ash, Nitrogen, Volatile matter, Po, PRI, Colour and Mooney viscosity (round 2)	250	80	25 April 2023	29 May 2023	
	Standard solution	* Hydrochloric acid (HCl) and Ethylenediaminetetraacetic acid (EDTA) Range : (0.001 to 0.3) M	250	40	13 January 2023	30 January 2023	
	Portland Cement	SiO ₂ , Al ₂ O ₃ , Fe ₂ O ₃ , CaO, MgO and SO ₃ (pilot study)	-	15	13 January 2023	13 February 2023	
Physics	Steel bar	Maximum force, Yield force, Yield strength, Tensile strength, Elongation and Reduction of area UTM Range : (100 to 400) kN	250	20	27 January 2023	7 March 2023	Mrs. Yaowalux Chinchusak Mr. Apirak Vanapattanakul
	Plastic	Tensile strength at break and Elongation at break and Melt flow rate (pilot study) Range : (1 to 5) kN	-	20	5 April 2023	12 June 2023	

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