

Analytical Services Pricing translated from Chulalongkorn University Announcement on academic service rates for laboratory analytical work. Environmental Research Institute 2022 (ประกาศจุฬาลงกรณ์มหาวิทยาลัย เรื่อง อัตราค่าบริการทางวิชาการประเภทงานวิเคราะห์ของห้องปฏิบัติการ สถาบันวิจัยสภาวะแวดล้อม พ.ศ. ๒๕๖๕)

Service for water sample	Prices (Baht/Sample)	
	Academic	Government and Private Sector
pH	150	150
Conductivity ($\mu\text{S}/\text{cm}$)	150	150
Salinity (ppt)	150	150
Turbidity (NTU)	150	150
Total Solids (mg/L)	160	200
Suspended Solids (mg/L)	160	200
Dissolved Solids (mg/L)	160	200
Volatile Solids (mg/L)	240	300
Fixed Solids (mg/L)	240	300
Settleable Solids (mL/L)	160	200
Grease and Oil (mg/L)	320	400
Acidity (mg/L)	240	300
Alkalinity (mg/L)	240	300
Hardness (mg/L as CaCO_3)	240	300
Calcium Hardness (mg/L as CaCO_3)	240	300
Chloride (mg/L)	240	300
Fluoride (mg/L)	240	300
Sulfate (mg/L)	240	300
Sulfide (mg/L)	240	300
Total Kjeldahl Nitrogen, TKN (mg/L as N)	320	400
Ammonia Nitrogen (mg/L as N)	240	300
Nitrate Nitrogen (mg/L as N)	240	300

Total Phosphorus (mg/L)	320	400
Orthophosphate (mg/L)	320	400
Chromium Hexavalent, Cr6+ (mg/L)	240	300
Dissolved Oxygen (mg/L)	150	150
Biochemical Oxygen Demand, BOD5 (mg/L)	400	500
Chemical Oxygen Demand, COD (mg/L)	400	500
Total Coliform (MPN/100 mL)	320	400
Faecal Coliform (MPN/100 mL)	320	400

Service for soil sample	Prices (Baht/Sample)	
	Academic	Government and Private Sector
Soil pH	160	200
Soil Moisture Content (%)	160	200
Soil Texture	320	400
Soil Texture & Soil Salinity at 1:5 Soil: Water Ratio	480	600
Organic Matter (mg/kg)	400	500
Cation Exchange Capacity, CEC (cmol/kg)	640	800
Chromium Hexavalent, Cr6+ (mg/L)	640	800
Soil N as TKN plus (mg/L as N, in-house method)	400	500
Soil P (Bray II pH<7 or Olsen pH>7: mg/kg)	400	500
Soil K (NH3 Acetate Extraction: mg/kg)	400	500
Natural Fertilizer N (TKN plus: mg/kg as N)	400	500
Natural Fertilizer P (Total P: mg/kg as P)	400	500
Natural Fertilizer K (Total K: mg/kg as K)	400	500
Other soil extraction	150	150

Some elements and Heavy metals analysis for water and soil sample	Prices (Baht)	
	Academic	Government and Private Sector
Sample preparation <i>(price per sample):</i>	200	200
Sample preparation in case of Hg analysis is included. <i>(price per sample):</i>	300	300
Elements and Heavy metals analysis <i>(per sample, per element):</i> Aluminum (Al), Arsenic (As), Barium (Ba), Boron (B), Cadmium (Cd), Calcium (Ca), Chromium (Cr), Cobalt (Co), Copper (Cu), Lead (Pb), Lithium (Li), Iron (Fe), Magnesium (Mg), Manganese (Mn), Mercury (Hg), Nickel (Ni), Phosphorus (P), Potassium (K), Selenium (Se), Sodium (Na), Tin (Sn), Zinc (Zn)	200	300
Elements and Heavy metals analysis for sea water or salty sample (Na >10,000 mg/L) <i>(per sample, per element):</i> Aluminum (Al), Arsenic (As), Barium (Ba), Boron (B), Cadmium (Cd), Calcium (Ca), Chromium (Cr), Cobalt (Co), Copper (Cu), Lead (Pb), Lithium (Li), Iron (Fe), Magnesium (Mg), Manganese (Mn), Mercury (Hg), Nickel (Ni), Phosphorus (P), Potassium (K), Selenium (Se), Sodium (Na), Tin (Sn), Zinc (Zn)	250	350

Equipment service	Prices (Baht)	
	Academic	Government and Private Sector
Freeze Dryer (per cycle)	1,600	2,000
Autoclave (per cycle)	350	400
UV/VIS Spectroscopy (per 3 hr)	800	1,000
Oven (< 150 °C) (per day)	320	400
Muffle Furnace (<800 °C) (per day)	800	1,000