



قائمة أسعار التحاليل في مختبرات مركز بحوث البيئة والمياه والطاقة - جامعة آل البيت

1. Drinking and Wastewater Analysis:

#	Analysis	Method and Instrument	Price (JD)
1	Colour	Visual comparison method	10
2	Taste	Sensory method (acceptable or not)	5
3	Oder	Sensory method (acceptable or not)	10
4	Turbidity	Turbidity meter	5
5	Temperature of Water Source	Temperature meter	2
6	pH	pH meter	2
7	Electrical Conductivity (EC)	Conductivity meter	2
8	Heavy metals (Iron, Manganese, Nickel, Zinc, Cadmium, Cobalt, Lead, Chromium, Copper, Silver, Aluminium, Barium, Beryllium, Lithium, Molybdenum, Stannous, Vanadium, Boron)	Inductively Coupled Plasma	10 (Each) 35 (5 Element)
9	Heavy metals (Iron, Manganese, Nickel, Zinc, Cadmium, Cobalt, Lead, Chromium, Copper, Silver, Aluminium, Barium, Molybdenum, Magnesium, Sodium, Potassium, Strontium)	Atomic Absorption Spectrometer	10 (Each)
10	Sodium , Potassium , Lithium, Calcium, Barium	Flame Emission Photometer	5 (Each) 20 (for all)
11	- Calcium	EDTA Titration	5
	- Total Hardness (TH)		5
12	- Calcium	Photometer	10
	- Total Hardness (TH)		10
13	Nitrate	UV-Spectrophotometer	5



14	Phosphate	Stannous Chloride method	10
15	Chloride	Argentometric method	5
16	Free Residual Chlorine Cl ₂ (FRC)	Spectrophotometer	5
17	Sulfate	Turbidimetric method	10
18	Alkalinity as CaCO ₃	Titration method	8
19	Carbonate	Titration Method	5
20	Bicarbonate	Titration Method	5
21	Total suspended Solids (TSS)	Dried at 103-105 °	10
22	Total Dissolved Solid (TDS)	Instrumental measurement	2
23	Total Dissolved Solid (TDS)	Dried at 180°	10
24	Chemical Oxygen Demand	Closed Reflux, Titrimetric	15
25	Biochemical Oxygen Demand	5-Day BOD test	15
26	Nitrite	Photometer	10
27	Total Nitrogen	Photometer	15
28	Phenol	Photometer	20
29	Total Organic Carbon (TOC)	Photometer	20
30	Ammonium NH ₄ ⁺	Photometer	10
31	Total Coliforms and Escherichia Coli	Enzyme Substrate Test (Colilert-IDEXX)	30
32	Pseudomonas Aeruginosa	Bacterial Enzyme Detection Technology "Pseudolert" From IDEXX	15
33	Fungi	Membrane Filtration	15
34	Total cost for monthly analysis for drinking water station; including: (Total coliform E.coli, Pseudomonas, Fungi, NO ₃)	Package of test	25

* 15 JD should be added if sample need acid digestion

** 50 JD should be added if sample need extraction and cleaning



2. Rocks, Minerals and Soil Analyses:

#	Analysis	Method and Instrument	Price (JD)
1	Elemental Composition	XRF Spectrometer	
		Sample preparation (fusion)	10
		Sample preparation (Milling & crushing)	10
		XRF analysis	30
2	Metal Composition	XRD Spectrometer	
		Sample preparation (Milling & crushing)	10
		XRD analysis	30
3	Scanning Electron Microscope Analysis	Scanning Electron Microscope (SEM)	
		Sample preparation (Coating)	10
		Image (include 5 images)	30
		Extra image	3
		Chemical analysis (EDAX)	25



Electron Microprobe Analyzer			
4	Electron Microprobe Analyzer (EMPA)	Coating	10
		Thin section	25
		Analysis per hour	50/hour



3. Organic Materials Analyses:

	Analysis	Method and Instrument	Price (JD)
1	Carbon, Hydrogen, Nitrogen, Sulfur:	Elemental Analyzer	25
2	NMR Analysis	NMR Spectrometer	
		H ¹ NMR	15
		C ¹³ NMR	20
		H ¹ + C ¹³ NMR	20
		H ¹ + C ¹³ +DEPT C ¹³	25
		APT	25
		2 D experiment	35
3	Deuterated Solvents for NMR Analysis (price for 1 ml)	1.4-Dioxane-d8 (99.8%)	2
		Acetic-d3 acid-d (99.5%)	7
		Acetone-d6 (99.8%)	3
		Acetonitrile-d3 (99.8%)	30
		Benzene-d6 (99.8%)	8
		Dichloromethane-d2 (99.5%)	8
		Ethyl-d6 alcohol-d (99%)	35
		Methyl-d3 alcohol-d (99.8%)	6
		N.N-Dimethylformamide-d7 (99.5%)	25
		Toluene-d8 (99.5%)	8
		Trifluoroacetic acid-d (99.5%)	6
Di methyl Sulfoxide-d6 (99.8%)	6		