



AMERICAN UNIVERSITY OF BEIRUT
FACULTY OF ENGINEERING & ARCHITECTURE
CIVIL & ENVIRONMENTAL ENGINEERING
ENVIRONMENTAL ENGINEERING RESEARCH CENTER
 CCC-Scientific Research Bldg (SRB), 3rd Floor, Room 304
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SERVICE TESTING PRICELIST

PHYSICAL PARAMETERS

TEST PRICE (LP)

Temperature	10,000.-
Turbidity	11,000.-
Conductivity	16,000.-
Color - True	10,000.-
Color - Apparent	10,000.-
Salinity	15,000.-

AGGREGATE PROPERTIES

Hydroxide Alkalinity	15,000.-
Carbonate Alkalinity	15,000.-
Bicarbonate Alkalinity	15,000.-
Calcium Hardness	18,000.-
Magnesium Hardness*	18,000.-
Total Hardness	18,000.-
Total Solids	30,000.-
Total Dissolved Solids	16,000.-
Total Suspended Solids	30,000.-
Fixed Solids (total, dissolved, or suspended)	30,000.-
Volatile Solids (total, dissolved, or suspended)	30,000.-
Settleable Solids	25,000.-
Moisture content (solid/semi-solid samples)	11,000.-

AGGREGATE ORGANIC PARAMETERS

Biochemical Oxygen Demand	40,000.-
Carbonaceous Biochemical Oxygen Demand	45,000.-
Nitrogenous Biochemical Oxygen Demand	45,000.-
Chemical Oxygen Demand	35,000.-
Total Organic Carbon (water, wastewater)	75,000.-
Total Organic Carbon (sediments, leachate, compost, solid waste)	120,000.-
Dissolved Organic Carbon (water, wastewater)	75,000.-
Dissolved Organic Carbon (sediments, leachate, compost, solid waste)	120,000.-

INORGANIC PARAMETERS

pH Value (Hydrogen Ion)	12,000.-
Calcium	18,000.-
Magnesium	18,000.-
Chlorides	18,000.-
Chlorine, Total Residual	30,000.-
Chlorine, Free Available	30,000.-
Ammonia/Ammonia-nitrogen	15,000.-
Nitrates/Nitrate-nitrogen	20,000.-
Nitrites/Nitrite-nitrogen	20,000.-
Total Nitrogen (Organic & Inorganic)	75,000.-
Total Kjeldahl Nitrogen	75,000.-
Total Phosphorus	75,000.-
Ortho-Phosphates	20,000.-
Silica	26,000.-
Sulfates	20,000.-
Sulfide	20,000.-
Bromide	27,000.-
Dissolved Oxygen	35,000.-
Fluoride	45,000.-
Cyanide	60,000.-

METALS **

Sodium	25,000.-
Potassium	25,000.-
Arsenic	25,000.-
Cadmium	25,000.-
Chromium	25,000.-
Copper	25,000.-
Iron	25,000.-
Lead	25,000.-
Manganese	25,000.-
Molybdenum	25,000.-
Nickel	25,000.-
Selenium	25,000.-
Zinc	25,000.-

MICROBIOLOGICAL PARAMETERS

Total Coliforms	20,000.-
Fecal Coliforms	20,000.-
Enterococcus spp.	60,000.-
Fecal Streptococcus spp.	60,000.-
Heterotrophic plate count	60,000.-

TESTS ON SLUDGES / SLURRIES

Specific gravity	30,000.-
Settled Sludge Volume	30,000.-
Sludge Volume Index	30,000.-
Time to Filter	30,000.-
Water Content	30,000.-

SPECIAL TESTS/PROCEDURES

Microwave-Assisted Digestion/Extraction	90,000.-
Jar Test: Alum	200,000.-
Jar Test: Ferric Chloride	200,000.-
Test: Alum and Ferric Chloride	350,000.-

*Free of charge, when both calcium and total hardness are requested.

** A sample preparation fee of 90,000 LP per sample should be added if submitted samples require microwave digestion before metal analysis.

Processed Environmental Matrices:

Potable water, surface and groundwater, seawater, municipal wastewaters, industrial effluents, sludge/slurries, leachate, compost, sediments, etc. Consult the Environmental Engineering Research Center (EERC) to analyze other complex environmental matrices.

Sample Collection & Shipment:

Consult the EERC (Dr. Lucy Semerjian), CCC-SRB, F3, Room 304, Ext. 3500/1/2 for the proper collection, preservation, and delivery of samples. Freshly collected samples should be submitted to EERC as soon as possible (preferably, M-F 8:00AM-2:00PM). Kindly note that samples to be analyzed for microbiological parameters should be submitted Mondays through Wednesdays, and samples to be analyzed for biochemical oxygen demand (BOD₅) should be submitted Wednesdays through Fridays. Payments should be made to AUB cashier upon sample submission.

Official Reports:

Reports are collected from the Engineering Bechtel Bldg., Soil Mechanics Laboratory (Ms. Christiane Chedid/Mr. Helmi El-Khatib), Room 216, Ext: 3468/9.

Analytical Methodologies:

All tests are performed in accordance to the “Standard methods for the Examination of Water and Wastewater”, 22nd Edition, American Public Health Association, American Water Works Association, and Water Environment Federation, and approved by the U.S. Environmental Protection Agency, Washington, DC., 2012

Sample Holding and Disposal:

Samples will be discarded after 7 days of issuing official reports, unless otherwise noted. Clients requesting recollection of their samples after analysis should notify EEERC at the time of sample submission.

Kindly note to add 10% VAT charges to the specified prices