



# WATER TESTING LAB

WATER QUALITY & TEST ANALYSIS



**science & innovation**

Department:  
Science and Innovation  
REPUBLIC OF SOUTH AFRICA



PEETS in collaboration with WHRC initiated a UJ Water testing laboratory. The laboratory participates in a proficiency testing scheme with National Laboratory Association (NLA) and South African Bureau of Standards (SABS), thereafter will be applying for SANAS accreditation. This pricing is before accreditation.

The University of Johannesburg's mission, vision and values an international University of choice, anchored in Africa, dynamically shaping the future. Inspiring its community to transform and serve humanity through innovation and collaborative pursuit of knowledge.

UJ PEETS collaborates with a team of experts and a laboratory with different test systems to conduct investigation of physicochemical characterisation and biochemical analyses under anaerobic conditions. Our present focused waste streams for waste characterisation and biochemical analysis are putrescible waste and lignocellulosic biomass. As we develop our laboratory capacity, other fractions of municipal solid waste will be considered.

WHRCs focus is on water, sanitation and hygiene 'WaSH' and the impact WaSH has in public health.

The vision of the UJ Water testing laboratory is an accredited water reference laboratory to dynamically contributing to the analysis of water.

The mission is to serve the broader community by enabling the water sector to pursue innovation and knowledge based on sound scientific principles.

## WATER TESTING ANALYSIS

### SAMPLING

#### YOU SAMPLE

We provide a sampling kit, which you collect and return to the laboratory.

The sampling kit includes:

- 100ml glass bottles
- 240 ml sterile with sodium thiosulphate plastic bottles
- gloves
- ice packs
- sampling cooler box
- 100 ml beaker, and
- permanent marker.

#### WE SAMPLE

This includes consultation fees, travel costs and the sampling kit.

### PHYSICAL CHEMISTRY TESTING

- pH
- Temperature
- Electrical conductivity
- Turbidity
- Total chlorine test strips

### MICROBIOLOGY TESTING

- Colilert®Quantitray®/2000 system to detect *Total Coliforms* and *Escherichia coli*.
  - *If the sample requires dilutions the costing is the same as undiluted sample.*
- Enrichments for the detection of Heterotrophic plate counts (HPC).
- VITEK® 2 compact system for confirmation.

## CONTACT US

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### NOTE

- Pricing depends on exchange rate.
- Quotation provided on request.

### CATION HEAVY METAL CHEMISTRY TESTING

- Arsenic
- Antimony
- Boron
- Cadmium
- Chromium
- Manganese
- Iron
- Nickel
- Copper
- Zinc
- Mercury
- Lead
- Uranium
- Sodium
- Selenium.

