

SOLIDS

Sludges and soils, with totally different physical-chemical characteristics are included in this group of schemes.

A sludge, also called mud, is defined as a semisolid residue which is produced, decanted or settled during a water treatment. They are generated in the septic tank of houses, shopping malls, offices or industries, or produced in a water treatment plant, as well as control units of atmospheric emissions.

A soil is the uppermost layer of Earth's crust, which results of the decomposition of rocks by sudden temperature changes and by the action of the water, wind and living beings. The

chemical composition and physical structure of the soil at a certain location are determined by the type of geological material that originates, by the vegetal cover, by the time that weathering has acted, by topography and by artificial changes resulting from human activities.



SOILS: PHYSICAL-CHEMICAL /REF. 990017/

ROUND I

WEEK 42
17th October

Arsenic;
Cadmium;
Calcium;
Conductivity at 20°C;
Copper;
Chromium;
Iron;
Magnesium;
Manganese;
Mercury;
Nickel;
Lead;
pH;
Potassium;
Total phosphorus;
Sodium;
Zinc.

Samples will be dispatched preferably on the Monday of the stated week.

SOLIDS



SLUDGES: PHYSICAL-CHEMICAL /REF. 990013/

ROUND I

WEEK 12
21st March

Arsenic;
Cadmium;
Copper;
Chromium;
Iron;
Kjeldahl nitrogen;
Manganese;
Mercury;
Nickel;
pH;
Lead;
Zinc.

ROUND II

WEEK 35
29th August

Aluminium;
Cadmium;
Copper;
Conductivity at 20°C;
Chromium;
Total phosphorus;
Total organic matter;
Mercury;
Nickel;
Lead;
Zinc.

SLUDGES: MICROBIOLOGY /REF. 990027/

ROUND I

WEEK 9
28th February

*Clostridium perfringens**;
Total coliforms*;
Enterococci*;
*Escherichia coli**;
Salmonella spp.*

* Parameter not included in our accreditation by ENAC.
Samples will be dispatched preferably on the Monday of the stated week.

SOLIDS



SOLIDS IN WASTE WATER /REF. 990016/

ROUND I

WEEK 7
14th February

Dissolved solids at 105°C*;
Suspended solids;
Fixed suspended solids*;
Volatile suspended solids*;
Settleable solids*;
Total solids at 105°C*;
Fixed total solids*;
Volatile total solids*.

ROUND II

WEEK 21
23rd May

Dissolved solids at 105°C*;
Suspended solids;
Fixed suspended solids*;
Volatile suspended solids*;
Settleable solids*;
Total solids at 105°C*;
Fixed total solids*;
Volatile total solids*.

* Parameter not included in our accreditation by ENAC.
Samples will be dispatched preferably on the Monday of the stated week.