POTABLE WATER

Within the matrix "Potable water" can be included those waters that originate in the different water supplies for human consumption and for household. These waters must fulfil the legal considerations on the potability of water based on the acceptable thresholds of a series of compounds or substances. In Europe the legal concept that regulates the quality of water intended for human consumption is based on the new European Directive (EU) 2020/2184 and its national transpositions to the different countries of the European Union.

Overall, the different standards understand as potable water the one that fulfils a number of organoleptic and physical-chemical characteristics, related to undesirable substances, toxic substances, microbiology and radioactivity.

Maximum allowable values for a number of parameters are established which correspond to the minimum permissible quality in potable water.

POTABLE WATER: PHYSICAL-CHEMICAL A /REF. 990001/

ROUND I

WEEK 8
21st February

Aluminium;
Ammonium;
Antimony;
Bicarbonates;
Cadmium;
Conductivity at 20°C;
Magnesium;
Manganese;
Nitrates;
Sodium.

ROUND II

WEEK 22
30th May

Arsenic;
Chlorides;
Colour;
Iron;
Mercury;
Nitrites;
Oxidability;
pH;
Potassium;
Selenium;
Zinc.

ROUND III

WEEK 37
12th September

Calcium;
Combined Chlorine;
Residual Chlorine;
Total Chlorine;
Copper;
Chromium;
Fluorides;
Nickel;
Lead;
Sulphates;
Turbidity.

Metals will be determined as "total metals".

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

POTABLE WATER

POTABLE WATER: PHYSICAL-CHEMICAL B /REF. 990002/

ROUND I	ROUND II	ROUND III
WEEK 8 21st February	WEEK 22 30th May	WEEK 37 12th September
Aldrin; Aluminium; Ametryn; Ammonium; Antimony; Atrazine; Benzo-a-pyrene; Benzo-b-fluoranthene; Bicarbonates; Bromodichlorometane; Cadmium; Conductivity at 20ºC; Dibromochloromethane; 1,2-dichloroethane; Dieldrin; Magnesium; Manganese; Nitrates; Sodium; 1,1,1-trichloroethane.	Alpha-endosulfan; Arsenic; Benzene; Benzo-g,h,i-perylene; Bromoform; Chloroform; Chlorides; Colour; Heptachlor; Iron; Indeno-1,2,3-c,d-pyrene; Mercury; Nitrites; Oxidability; pH; Potassium; Propazine; Selenium; Terbutylazine; Toluene; Vinyl Chloride*; NEW Zinc.	Benzo-k-fluoranthene; Beta-endosulfan; Calcium; Combined chlorine; Free residual chlorine; Total chlorine; Copper; Chromium; 4,4´-DDE; Ethylbenzene; Fluoranthene; Fluorides; Heptachlor epoxide; Nickel; o-Xylene; Lead; Simazine; Sulphates; Tetrachloroethene; Trichloroethene; Turbidity.

Metals will be determined as “total metals”.

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

POTABLE WATER

POTABLE WATER: PHYSICAL-CHEMICAL C /REF. 990003/

ROUND I

WEEK 6
7th February

Barium;
Beryllium;
Bicarbonates;
Calcium;
Total organic carbon (TOC)*;
Hardness;
Dry residue;
Vanadium.

ROUND II

WEEK 36
5th September

Anionic surfactants;
Boron;
Cobalt;
Total cyanides;
Total phosphorus;
Magnesium;
Kjeldahl nitrogen;
Silver;
Silica (Silicon dioxide).

Metals will be determined as “total metals”.

POTABLE WATER: MICROBIOLOGY /REF. 990019/

ROUND I

WEEK 6
7th February

Clostridium perfringens;
Faecal coliforms;
Total coliforms;
Enterococci;
Escherichia coli;
Culturable microorganisms at 22ºC;
Culturable microorganisms at 36ºC;
Salmonella spp.

ROUND II

WEEK 21
23rd May

Clostridium perfringens;
Faecal coliforms;
Total coliforms;
Enterococci;
Escherichia coli;
Pseudomonas aeruginosa;
Culturable microorganisms at 22ºC;
Culturable microorganisms at 36ºC;
Faecal estreptococci.

ROUND III

WEEK 36
5th September

Sulphite-reducing clostridia;
Clostridium perfringens;
Total coliforms;
Enterococci;
Escherichia coli;
Pseudomonas aeruginosa;
Staphylococcus aureus;
Culturable microorganisms at 22ºC;
Culturable microorganisms at 36ºC.

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