

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 the quality of water intended for human consumption is based on the European Directive 98/83/EC and its national

transpositions in the different European Union countries.



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 9
24th February

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

ROUND II

WEEK 23
1st June

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

ROUND III

WEEK 38
14th 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

WEEK 9
24th February

Aldrin;
Aluminium;
Ametryn;
Ammonium;
Antimony;
Atrazine;
Benzo-a-pyrene;
Benzo-b-fluoranthene;
Bicarbonates;
Bromodichlorometane;
Cadmium;
Conductivity at 20°C;
Dibromochloromethane;
1,2-dichloroethane;
Dieldrin;
Magnesium;
Manganese;
Nitrates;
Sodium;
1,1,1-trichloroethane.

ROUND II

WEEK 23
1st June

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.

ROUND III

WEEK 38
14th September

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".

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

POTABLE WATER



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

ROUND I

WEEK 7
10th February

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

ROUND II

WEEK 37
7th September

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

Metals will be determined as “total metals”.



POTABLE WATER: MICROBIOLOGY /REF. 990019/

ROUND I

WEEK 7
11th February

Clostridium perfringens;
Faecal coliforms;
Total coliforms;
Enterococci;
Escherichia coli;
Cultivable
microorganisms at 22°C;
Cultivable
microorganisms at 37°C;
Salmonella spp.

ROUND II

WEEK 22
27th May

Clostridium perfringens;
Faecal coliforms;
Total coliforms;
Enterococci;
Escherichia coli;
Pseudomonas aeruginosa;
Cultivable
microorganisms at 22°C;
Cultivable
microorganisms at 37°C;
Faecal streptococci.

ROUND III

WEEK 37
9th September

Sulphite-reducing clostridia;
Clostridium perfringens;
Total coliforms;
Enterococci;
Escherichia coli;
Pseudomonas aeruginosa;
Staphylococcus aureus;
Cultivable
microorganisms at 22°C;
Cultivable
microorganisms at 37°C.

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