

WATER ANALYSIS:

Is it necessary?

Water analysis is ultimately necessary for knowing that the water we use is in the pure form. Majority of the microbes can survive in the water which causes various water borne diseases. Through water analysis, the sample can be tested to know if it is suitable for use and healthy. It also characterizes the hard and soft water. Filtration of water leads to loss of minerals. Hence the water analysis should be done in order to determine the necessary parameters.

Selection of sample:

Water analysis is required for pond water, waste water, well water. Generally ground water is pure. The sample should be collected in the bottle and given to the lab within 48 hours from collection. Care should be taken from contacting the bottle or the cap.

Parameters:

The parameters necessary for the water analysis are

General – pH, EC, Total Dissolved Solids (TDS), Biological Oxygen Demand (BOD), Total Organic Carbon (TOC), Faecal Coliform, Turbidity, Nitrogen

Elemental – Potassium, Boron, Calcium, Chlorine, Total Hardness, Iron, Magnesium, Manganese, Phosphorous, Sodium, Sulphur.