

Ground Water Quality Test (GQT)

This test checks for Physical and Chemical parameters of ground water. This is a cost-effective means to reassure yourself whether the ground water consumed by you, your family and colleagues is potable or not.

A. Sample Required: Atleast 500 ml of water collected in a glass or polypropylene bottle. Domestic glass bottles can be used. Clean the bottle with soap water, rinse in plain water and dry it before use. Fix an ordinary self adhesive label to note sample collection date, time and source. The sample should be accompanied by a Water Sample Collection Record (WCR1) and a Test Requisition Letter (TRL1).

B. Test Duration: 24 hrs.

C. Report Details:

1. Physical indicators of contamination: PH,, Color, Turbidity, and Conductivity.
2. Chemical Indicators of Contamination: (a) Ammonia, (b) Nitrites, and (c) Nitrates
3. Mineral Content Estimation. These test will assess whether the level of naturally dissolved minerals are within permissible limits.
 - i. Fluoride content, this indicates risk of fluorosis.
 - ii. Calcium and Chlorides, effect domestic use, taste and palatability.
 - iii. Magnesium and Sulphates can be dangerous to mucus lining causing gastro intestinal irritation.
4. Indicators of Industrial Pollution:
 - i. Alkalinity Test.
5. Interpretation, based on test results and sample collection record.

Water Quality Testing Laboratory

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