

## CHEMISTRY

### STUDY PROJECT ON 'HARDNESS OF WATER'

#### ABSTRACT :

Study of water quality tells about present status of useable water for domestic as water consumption and improper waste disposal practices have led to deterioration in the water quality. Due to pressure of human activity. Urbanization and industrialization, the ground water sources and degraded gradually. Therefore pure, safe, healthy and odorless drinking water is a matter in deep concern. There are many pollutants in ground water due to sewage viz, organic and inorganic pollutants, heavy metals, pesticides. Fluoride etc. The purpose was to ascertain the quality of water from these sources. These were analyzed for PH, EC, TDS, TH, F<sup>-</sup>, (a,N)g, Cl<sup>-</sup>, D.O. Alkatinity and many more using standard techniques in laboratory (APHA 1985)

This study was aimed to determine water quality parameters sample of water were collected from four different areas in the Edakkara panchayat here we have collected for samples-sample 'A' ( filtered water ), sample 'B' ( well water), sample 'C' (river water ) and sample 'D' (sewage water) each from four different areas. Over the due course of time various parameters regarding the water quality were analysed & the Indian standards : 10500 ( Drinking water specifications ) was referred to in order to ok check the acceptability of water. Most of the parameter were not found to be I the desirable range for drinking water & hence, appropriate measures were suggested to improve the quality of water.

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