

# Evaluation of Drinking Water Quality Analysis in Kancheepuram District - using Indian Standard

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**Abstract:** Water is the most important in shaping the land and regulating the climate. It is one of the most important compounds that profoundly influence life. The quality of water is usually described according to its physical, chemical and biological characteristics. Due to use of contaminated water, human population suffers from water borne diseases. It is therefore necessary to check the water quality at regular interval of time. Parameters that may be tested include temperature, pH, turbidity, salinity, nitrates and phosphates. Which are crucial for ensuring the water is safe for consumption and meets established health standards, with deviation from these parameters potentially indicating contamination and posing health risk. An assessment of the aquatic macroinvertebrates can also provide an indication of water quality. The result shows that esthetic water quality parameters had a potential interpretation of water quality as of the laboratory analysis. Finally, there suggests that due consideration of esthetic factors as measured parameters is fundamental for the sustainable use of drinking water infrastructures.

**Keywords:** TSS, TDS & Ultra violet spectroscopy analysis