

# Measurement of Turbidity with Given Waste Water Sample

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**Abstract:** *Turbidity is a key indicator of water quality and is especially important in the assessment of wastewater. It refers to the cloudiness or haziness of a fluid caused by large numbers of individual particles that are generally invisible to the naked eye. This project focuses on the measurement and analysis of turbidity in a given wastewater sample to evaluate the presence and concentration of suspended solids. The objective of this project is to measure the turbidity level using a turbidity meter (nephelometer) and assess whether the sample meets environmental discharge standards. The process involves the collection of a wastewater sample, calibration of the turbidity sensor, and subsequent measurement. The data collected will be analysed to determine the level of contaminants and provide insight into the effectiveness of treatment processes or the need for further purification. This project also highlights the significance of turbidity measurement in environmental monitoring, public health, and regulatory compliance. It emphasizes the importance of maintaining low turbidity in discharged wastewater to prevent environmental degradation and ensure water safety*

**Keywords:** Turbidity, Nephelometer

