

BOD - Biological Oxygen Demand –

A measure of the amount of oxygen consumed in the biological processes that break down organic matter in water. BOD is used as an indirect measure of the concentration of biologically degradable material present in organic wastes. It usually reflects the amount of oxygen consumed in five days by biological processes breaking down organic waste. BOD can also be used as an indicator of pollutant level, where the greater the BOD, the greater the degree of pollution.

OUR - Oxygen Uptake Rate –

A simplified version of measuring the concentration of biologically degradable material present in organic waste or an indicator of pollutant level in solution where the measurement takes place within minutes instead of few days as required by BOD measurement. The measurement is carried out by measuring the initial DO and the final DO within programmable minutes and before being automatically calculated to show the oxygen consumed in milligram per litre per hour.

SOUR - Specific Oxygen Uptake Rate -

It has similar measurement type as OUR except that the measurement will be with respect to the specific solid in the solution. Unit of measure will be milligram of oxygen consumed per hour per 1 gram of the specific solid.

Refer. # 24239