COD Test Kit

SKU: AE407R | Range: 40 - 400 PPM (Mg/L)

Chemical Oxygen Demand (COD) is defined as the amount of a specific oxidant that reacts with the sample under controlled conditions. The quantities of oxidant consumed is expressed in terms of its oxygen equivalence. Because of Dichromate ions specific oxidant properties (CrO72-) unique chemical properties it gets reduced to the chromic ion (Cr3+) in COD test. COD is a defined test the extent of sample oxidation can be affected by digestion time reagent strength and sample COD concentration. COD is often used on a measurement of pollutants in waste water and natural water. To determine COD two methods are useful the open reflux method is suitable for a wide range of waste water and large sample size is preferred. Another is the closed reflux method is suitable for smaller quantities. It requires homogenisation of sample. Accurate measurement of sample values as well as reagent volumes and concentration are critical. Most type of organic matter are oxidised by a boiling mixture of Chromic and Sulphuric acid. A sample is heated in strongly acid solution with known excess of potassium dichromate. After digestion the remaining unreduced dichromate is titrated with Ferrous Ammonium Sulp



KEY PRODUCT FEATURES

- Onsite Field Test Kit
- Easy To Follow Procedures
- Based on International Standards (APHA/AWWA/IS)
- Rapid and Accurate and Reliable results
- Available in portable carry case
- Tested and Validated by leading Laboratory
- Economical and long shelf life.

TECHNICAL SPECIFICATIONS

Product Code: AE407R
Range: 40 - 400 PPM (MG/L)
No of Tests: NA
HSN: 90275090
Packing: Plastic Case