

RAKIRO BIOTECH SYSTEMS PVT LTD R-466, TTC Industrial Area, MIDC Rabale, Navi Mumbai - 400701 Tel No. +91-022-47804040 Email :- sales@rakiro.net

| Doc No : | TDSAPCODV2 |
|---------------|------------|
| Date : | 01-02-2024 |
| Туре : | AQUASOL |
| Product Code: | APCODV2 |

PRODUCT DATA SHEET

1 INFORMATION

CODE: APCODV2

PARAMETER: Chemical Oxygen Demand

RANGE: - 0 - 1500 ppm as O2

2 METHOD

The water sample is oxidized with a hot sulfuric solution of potassium dichromate, with silver sulfate as the catalyst. Chloride is masked with mercury sulfate. The concentration of unconsumed Cr2O7 2- ions is then determined photometrically. Results are expressed as mg/I COD (mg/I O2)

3 APPLICATION

Drinking Water, Mineral Water, Well Water, Swimming Pool Water, Surface and Ground Water, Aquaculture, Boiler Water, Process Water, Industrial Wastewater, Effluent Water, Cooling System Water, Chiller Water etc

4 INTERFERENCE

Straight-chain aliphatic compounds, aromatic hydrocarbon fatty acids, chlorides, nitrites and iron are the main interfering radicals.

5 REAGENTS AND ACCESSORIES

Reagents: 25 Nos Vails filled with reagent.

Accessories: Plastic Syringe 1 ml (5nos), Procedure Label(1Nos).

6 STORAGE

The test reagents are stable up to the date stated on the pack when stored closed at ambient temperature.

7 REFERENCE

IS 3025 (Part 58) :2006 Indian Standard

8 DIRECTION FOR USE

1. Take a Vial, Open the cap and add 2 ml of Demineralized Water by using syringe (COD Free). Mark the vial as Blank

2. Take another Vial Open the cap and add 2 ml of test sample by using syringe. Mark the vial as Sample

3. Close caps of both the vials tightly and swirl the contents for 10-15 sec.

4.Now digest both the tubes in COD Digester, at 150 Deg C for 2 Hours. (Refer APCODG1 Manual)

5. After Digestion, swirl the vial and cool the vials naturally to room temp for 15-20 mins.

6.Read the COD Value using COD Meter/Analyzer. (Refer APCOD01 Manual)