		Doc No :	PDAE305
RAKIRO	**RAKIRO BIOTECH SYSTEMS PVT LTD** R-466, TTC Industrial Area, MIDC Rabale, Navi Mumbai - 400701 Tel No. +91-022-47804040 Email :- sales@rakiro.net	Date :	01-02-2024
		Type :	AQUASOL
		Product Code:	AE305

PRODUCT DATA SHEET

1 INFORMATION

CODE: AE305 PARAMETER: ZINC RANGE: 0.0 - 7.5 mg/l as Zn

2 METHOD

Classic chemical method.

3 APPLICATION

Drinking water, Industrial wastewater influent and effluent, Surface and ground water, Seawater; Power generation Cooling water, Boiler water

4 INTERFERENCE

Not Known

5 METHOD CONTROL

To Check test reagents,
        Preparation of 1000 ppm Zinc standard solution: Take 1 gm of zinc Dust in a beaker add small quantity of demineralised water , add 1:1 HCL Small quantity , Boil the solution till all zinc get dissolved Add 1:1 HCL as required to dissolve Zinc powder completely. Cool the solution and transfer in 1000ml standard volumetric flask , Dilute with demineralised water up to the mark ,stir well.

6 REAGENTS AND ACCESSORIES

Reagents: ZN1(1Nos), ZN2(1Nos) ,ZN3(1Nos), ZN4(1Nos)
Accessories: 10ml Test Jar(2Nos), Procedure Label(1Nos), Spoon, syringe, Colour chart

7 STORAGE

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

8 REFERENCE

Classic chemical method.

9 DIRECTION FOR USE

1)Take 5 ml of water sample in a test jar by using syringe.
2)Add 10 drops of Zn 1. Mix the contents thoroughly.
3)Add 5 drops of Zn 2 and mix the contents thoroughly.
4)Add 5 drops of Zn 3 and mix the contents thoroughly.
5)Add 3 drops of Zn 4 and swirl gently. (Do not shake vigorously)
6)Wait for Twenty five minutes.
7)Place the test jar on the inner white circle of the colour comparison chart.
8)View from the top of the test jar to compare the sample colour and colour around.
9)Read the ppm Zinc as Zn after arriving at the correct match.

Note: Sample pH should be preferably neutral. If a sample is acidic or alkaline it should be
       neutralized before test.