

**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 : TDSAE310**Date :** 01-02-2024**Type :** AQUASOL**Product Code:** AE310**PRODUCT DATA SHEET****1 INFORMATION**

CODE: AE310

PARAMETER: Copper

RANGE: 0.025 - 5.0 ppm as Cu

2 METHOD

Classic chemical method.

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

Not Known

5 METHOD CONTROL

To Check test reagents,

To prepare 1000 ppm Nitrate standard solution - Take 3.929gms of copper Sulphate Pentahydrate in 1000 ml standard volumetric flask , add demineralised water mix well, dilute it with demineralised water up to the mark , stir well.

6 REAGENTS AND ACCESSORIES

Reagents: CU1 (1No), CU2 (1 No)

Accessories: 25 ml test jar (2Nos), Procedure Label(1Nos), Colour chart, Spoon.

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 25 ml of sample in the glass test jar.
2. Add 15 drops of Cu1. Mix the contents thoroughly.
3. Add one spoonful of Cu2. Mix well to dissolve. Keep it for 5 minutes with intermittent shaking.
- 6) Read the ppm COPPER as follows:
 - a) Place the test jar on inner white circle of the colour comparison chart.
 - b) View from top of the tube to compare the sample colour and the colour around.
 - c) Read the ppm COPPER as Cu after arriving at the correct match from the colour chart.

Preparation: Water pH should be preferably neutral. Neutralize the highly alkaline or acidic sample to Phenolphthalein end point before testing.