

**RAKIRO BIOTECH SYSTEMS PVT LTD**

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Doc No : PDAE208**Date :** 01-02-2024**Type :** AQUASOL**Product Code:** AE208**PRODUCT DATA SHEET****1 INFORMATION**

CODE: AE208

PARAMETER: CHROMATE

RANGE: 5 - 100, 25- 500 mg/l as Chromate

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,

Prepare 1000 mg/l Chromate standard- Take 1.674 gm of Potassium chromate in a 1000 ml standard volumetric flask, add Demineralised water mixes well, dilute it with demineralised Water up to the mark, stir well.

6 REAGENTS AND ACCESSORIES

Reagents: CR1(1Nos), CR2(1Nos), CR3(1 Nos), CR4L(1 Nos)

Accessories: 25ML Plastic Test Jar(1Nos), Procedure Label(1Nos)

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 Directions for Use:

- 1.Take 10 ml of sample in a test jar
- 2.Add (30 drops) of CR 1, mix well.
- 3.Then add 5 drops of CR 2. Mix well.
- 4.Now drop wise * add CR 3 # counting the number of drops, until the violet colour disappears which appears at the start of the CR 3 Addition.

If the expected chromate is more than 100 ppm, then use CR4L instead of CR3

Calculations:

Chromate ppm as CrO₄ = 5 x (No. of Drops of CR3)
= 25 x (No. of Drops of CR4L)