

**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 : TDSAE408**Date :** 01-02-2024**Type :** AQUASOL**Product Code:** AE408**PRODUCT DATA SHEET****1 INFORMATION**

CODE: AE408

PARAMETER: ARSENIC

RANGE: - 0 - 3.0 ppm as As

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,

Preparation of 1000 ppm Arsenic standard solution: Weigh 4.16 gm Sodium arsenate Dried and transfer in to the 1 liter Standard volumetric flask.

Dilute it to 1000ml with demineralized water.

6 STORAGE

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

7 REFERENCE

Classic chemical method.

8 DIRECTION FOR USE**A - Test Range 0 - 100 ppb**

- Fill the water sample up to the A mark of the test bottle.
- Add 2 drops of TN3 reagents mix well.
- Add 7 Red spoonful of ASR1 powder.
- Add 6 Yellow spoonful of ASR2 powder.
- Swirl the contents gently to mix well.
- Add 1 Blue spoonful of ASR3 and immediately close the Test bottle tightly with cap prepared in Step 1.
- Swirl the test bottle gently, avoiding any contact between the liquid and the lid.
- Allow to stand for 20 minutes, while swirling intermittently.

B - Test Range 0 - 3.0 ppm

- Fill the water sample up to the B mark of the test bottle.
- Add 2 drops of TN3 reagents mix well.
- Add 2 Red spoonful of ASR1 powder.
- Add 1 Yellow spoonful of ASR2 powder.
- Swirl the contents gently to mix well.
- Add 4 Black spoonful of ASR3 and immediately close the Test bottle tightly with cap prepared in Step 1.
- Swirl the test bottle gently, avoiding any contact between the liquid and the lid.
- Allow to stand for 20 minutes, while swirling intermittently.