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Doc No : TDSAE309**Date :** 01-02-2024**Type :** AQUASOL**Product Code:** AE309**PRODUCT DATA SHEET****1 INFORMATION**

CODE: AE309

PARAMETER: Molybdate

RANGE: 5 TO 50 ppm as MoO₄**2 METHOD**

IS standard 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 Molybdate standard solution: Take 1.8378 gms of Ammonium Molybdate in 1000 ml standard volumetric flask, add Demineralised water mix well, Dilute it with demineralised Water up to the mark, stir well.

5 REAGENTS AND ACCESSORIES

Reagents: DO3 (1Nos), MO2(1No)

Accessories: 25 ml test jar(1 no), Comparator tube (2Nos), Procedure Label(1Nos), Colour Chart.

6 STORAGE

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

7 REFERENCE

IS standard method.

9 DIRECTION FOR USE

1. Take 10 ml of water sample in a test jar.
2. Add 8 drops of reagent DO 3. Mix well.
3. Add 8 drops of reagent MO 2. Mix well.
4. Rinse the empty comparator test tube with the above mixture and then fill upto the level of the comparator tube.
5. Read the ppm Molybdate as follows:
 - a) Place the comparator tube on the inner white circle, on the colour comparison chart.
 - b) View from the top of the comparators tube to compare the sample colour and the colour around.
 - c) Read the ppm Molybdate as MoO₄ after arriving at the correct match from the colour chart

Note: Reading should be taken within 3 minutes from the time of addition of MO 2.

(Note- Dilute test sample proportionately with DM water & carry out the test. Multiply the ppm MoO₄ obtained by standard colour comparison with dilution factor to get higher than 50 ppm MoO₄)