

# Nitrite Test Procedure

## Procedure:

1. Take a 25 ml. sample.
2. Add 1 dipper full of acid sulphate powder **EC-R0781**
3. Swirl until dissolved.
4. Add permanganate reagent **EC-R0733** dropwise, swirling and counting after each drop, until a faint, but permanent pink colour develops and remains for one minute.
5. (Number of drops X 50) = ppm sodium nitrite present.

## Recommended Parameters:

Due to changes in feed water and boiler operating conditions, these recommendations must be considered as best approximations.

For closed chilled and hot recirculating water systems using **ENERCON EC-444, EC-449 or EC-9444**.....800 ppm to 1200 ppm

For closed chilled and hot recirculating water systems using **ENERCON EC-451, EC-459, EC-471, EC-9451 or EC-9471**...150 ppm to 300 ppm

## Interpretation of Analytical Results:

**For systems using: ENERCON EC-444, EC-449 or EC-9444**

Nitrite levels less than 800 ppm ..... add **EC-444, EC-449 or EC-9444**

**For systems using: ENERCON EC-451, EC-459, EC-471, EC-9451 or EC-9471**

Nitrite levels less than 150 ppm ..... add **EC-451, EC-459, EC-471, EC-9451 or EC-9471**

**Consult your ENERCON Technical Field Representative.**

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