

Brine Corrosion Inhibitor Test Procedure

Procedure:

Note: *It is advisable to perform a blank with make-up water to which no treatment has been added, by following steps 1 to 7 below. The number of drops used in step 7 for the blank, typically 2 to 3 drops, should be subtracted from the total number of drops used for the sample.*

1. Take a 25 ml. sample.
2. Add the following:
 - 1 drop Thiosulphate N/10 **EC-R0697**
 - 1 level dipper Phosphonate Indicator Powder **EC-R0810**
3. Swirl the sample tube to mix thoroughly.
4. Add 3 drops **EC-R0820** pH Indicator; sample will turn blue.
5. Adjust the pH to between 2.5 and 3.0 by adding Sulphuric Acid **EC-R0686** until solution changes from blue to yellow..
6. Add Titrating solution **EC-R0815** one drop at a time, swirling and counting after each drop until a permanent purple to pink endpoint appears.
7. Record the number of drops and subtract the number of drops obtained in the blank.

Recommended Parameters

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

Brine Systems40 to 45 drops

Interpretation of Analytical Results:

Results under 40 dropsAdd **ENERCON EC-885** until proper levels are obtained.

Consult your **ENERCON** Technical Field Representative.

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