

Sulphite Test Procedure

Procedure:

1. Take a 25 ml. sample.
2. Add 1 drop phenolphthalein indicator **EC-R0638**.
3. Pink colour should develop.
4. Add 1 dipper full of acid starch indicator **EC-R0725** at a time until pink colour disappears.
5. Add 1 more dipper full of acid starch indicator **EC-R0725**.
6. Add one drop at a time of iodide-iodate **EC-R0699** until blue colour appears.
7. Do not count the first drop.
8. (Number of drops X 10) = ppm residual sulphite present.

Precautions:

1. Always do the test on a fresh sample.
2. Do not filter the sample.
3. End point depends on how you perceive colours.

Recommended Parameters:

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

Steam boilers Minimum 30 ppm

Interpretation of Analytical Results:

Sulphite as SO₃ over 60 ppm cut back on sulphite feed.

Sulphite as SO₃ at 30 - 60 ppm no change in treatment.

Sulphite as SO₃ less than 30 ppm increase sulphite feed.

Consult your ENERCON Technical Field Representative.

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