

**FALCOOL 2K COOLING WATER TEST
NITRITE TEST KIT
0-100 AND 0-2000 mg/L**

**High Range Test Instructions
0-2000 mg/L**

- 1 Thoroughly rinse the marked plastic dropper with the water to be tested. Fill the dropper to the 0.5mL mark with the sample and discharge the contents of the dropper into the color viewing tube.
- 2 Fill the tube to the upper mark (10 -mL) with Demineralized Water. Stopper the tube and invert to mix.
- 3 Divide the diluted sample equally between the two color viewing tubes in the kit. Each tube should be filled to the 5 mL mark.
- 4 Use the clippers to open one NitrVer 2 Nitrite Reagent Powder Pillow. Add the contents of the pillow to one of the tubes. Stopper and shake to mix.
- 5 If nitrite is present in the sample, a greenish-brown color will develop.
- 6 Allow five minutes for full color development.

WARNING: The chemicals in this kit may be hazardous to the health and safety of the user if inappropriately handled. Please read all warnings before performing the test and use appropriate safety equipment.

- 7 Place the tube of prepared sample in the right top opening of the comparator (Prepared Sample Position in Figure 1).
- 8 Place the tube containing the diluted sample in the left top opening of the comparator (Untreated Sample Position in Figure 1).
- 9 Hold the comparator up to a light source such as the sky, a window or a lamp. Rotate the disc to obtain a color match.
- 10 Multiply the scale reading by 20 to obtain the mg/L Nitrite (NO₂) in the sample.
- 11 To convert the reading to mg/L Sodium Nitrite (NaNO₂), Multiply the result from step 10 by 1.5.
- 12 To convert the reading to mg/L Nitrogen (N), Multiply the result from step 10 by 0.3.

**Low Range Test Instructions
0-100 mg/L**

- 1 Fill the two color viewing tubes to the lower (5 -mL) mark with the water to be tested.
- 2 Use the clippers to open one NitrVer 2 Nitrite Reagent Powder Pillow. Add the contents of the pillow to one of the tubes. Stopper and shake to mix.
- 3 If nitrite is present in the sample, a greenish-brown color will develop.
- 4 Allow five minutes for full color development.
- 5 Place the tube of prepared sample in the right top opening of the comparator (Prepared Sample Position in Figure 1).

- 6 Place the tube containing the diluted sample in the left top opening of the comparator (Untreated Sample Position in Figure 1).
- 7 Hold the comparator up to a light source such as the sky, a window or a lamp. Rotate the disc to obtain a color match.
- 8 Read the mg/L Nitrite (NO₂) from the scale window.
- 9 To convert the reading to mg/L Sodium Nitrite (NaNO₂), Multiply the result from step 10 by 1.5.
- 10 To convert the reading to mg/L Nitrogen (N), Multiply the result from step 10 by 0.3.

TEST RESULTS EVALUATION CHART

ppm			5 - 10	10 - 20	20 - 60+	Over 80	
D.C.W.T. NONCHROMATE Dosage per ton of water		7 litres	4 litres	2 litres	1 litre	Satisfactory	Blowdown
D.C.W.T. POWDER Dosage per ton of water		3.7 kg	2.2 kg	1.07 kg	0.5 kg	Satisfactory	Blowdown

REPLACEMENTS

Cat. No.	Description	Unit
272-28	Demineralized Water	118 mL (4oz)
1813-69	NitriVer 2 Nitrite Reagent Powder Pillows for 5-mL Sample	pkg/100
968-00	Clippers	each
1732-00	Color Comparator	each
1818-00	Color Disc, nitrite	each
1798-00	Color Viewing Tube	each
14197-00	Dropper with 0.5 and 1 mL marks	each
2414-00	Holder for Dropper	each
1731-00	Stopper	each

*Marked Dropping Bottle