



**CHEM-TECH
INTERNATIONAL, INC.**

SULFITE TEST

Titration Method

REAGENT/EQUIPMENT:

0847-24	10 ml BURET
9198	25 ml VIAL
R-0638-C	PHENOLPHTHALEIN
R-0725-J	STARCH ACID
R-0633-40-F	IODIDE-IODATE N/40
	INSTRUCTIONS

PROCEDURE:

1. Measure 25 ml sample of cooled boiler water into casserole.
Do not filter!
2. Add 2 drops of **Phenolphthalein Indicator (R-0638)** to sample and stir.
Sample will turn red.
3. While stirring, add **Starch Acid Ind. Powder, (R-0725)**, 1 dipper full at a time until the red color disappears. Add 1 dipper full in excess.
Stir until dissolved.
4. Resume stirring titrate with **Iodide-Iodate (R-0633)** until sample develops a faint, permanent blue color. Record mL required.

CALCULATION: mL of Iodide-Iodate x 40 = ppm sulfite as SO₃