

# Nitrite (ppm NaNO<sub>2</sub>) TITRATION

**NB: This test method is not suitable for measuring nitrite in the presence of glycol - consult the laboratory.**

## Reagents and Equipment

Please use reagent pack **RGPK010** – includes:

Tannin/Nitrite Titrant – **A013**

Acidifying Reagent – **A002**

## Method

1. Take an 11ml sample.
2. Add 10 drops of Acidifying Reagent and swirl to mix.
3. Moisten and wipe the tip of the Tannin/Nitrite Titrant dropper to ensure it is clean and then add it to the sample one drop at a time (counting the number of drops) until the pink colour persists for 1 minute.
4. Note the number of drops and calculate using the following formula .

$$\text{Nitrite (as NaNO}_2\text{)} = \text{Number of drops} \times 50 \text{ ppm}$$

## Example

Number of drops = 25

Nitrite = 25 x 50ppm

= 1250ppm

**Note for low range measurement of Nitrite** - By taking a 55 ml sample in step 1. the test can be adopted to measure lower levels of nitrite with each drop of Tannin/Nitrite Titrant being equivalent to 10ppm of Nitrite as NaNO<sub>2</sub>