



RXSOL

CHEMO PHARMA INTERNATIONAL

Technical Data Sheet (TDS)

RXSOL-62-5507-001

Nitrite Test Kit

PROCEDURE for test (STEP WISE):

1. Measure 1 ml of SAMPLE WATER in graduated TEST TUBE / CYLINDER , with the help of syringe / pipette and diluted with Distilled Water up to 10 ml.
2. Add 1-2 drops of **RXSOL TK5** and mix with the stirring rod , to obtain **ORANGE / light reddish** colour.
3. Add **RXSOL TK6** drop by drop , mixing with the stirring rod until For endpoint ORANGE to **BLUE / GREENISH** colour just appears / develop.

Each DROPS is equivalent to 50 PPM of NO₂

CALCULATION : 50 X Number of DROPS of TK6

Storage Requirements: Kits should be stored in the dark and at room temperature.

Shelf Life: The nitrite Titrets kits have 2-year shelf lives.

Accuracy: Due to the non-linear nature of the test scale, the accuracy of this test varies with the location of the test result on the scale. At twice the minimum concentration for a particular

NITRITE IMPORTANCE :

Nitrite, an intermediate in the nitrogen cycle, is formed during the decomposition of organic matter but readily oxidizes to form nitrate. These processes occur in wastewater treatment plants, water distribution systems, and natural waters. Nitrites are useful as corrosion inhibitors, preservatives, pigments, and in manufacturing many organic preservative chemicals. A Maximum Contaminant Level of 1 mg/L has been established by the USEPA for nitrite-nitrogen in drinking water.

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