

CHEMetrics Introduces Two NEW Sensitive Nitrite Water Analysis Kits



CHEMetrics announces the release of two new test kits employing the N-(1-Naphthyl)ethylenediamine (NED) method to measure nitrite in potable water, surface water, stormwater, groundwater, seawater and wastewater. With a reduced analysis time and improved measurement sensitivity, these new kits offer advantages over the existing CHEMetrics nitrite test kits which employ a different diazo dye reagent, based on chromotropic acid.

The NED method is widely used in the quantitative analysis of nitrite in water samples. Like our chromotropic acid reagent, NED readily undergoes a diazonium coupling reaction in the presence of nitrite to give a **strongly** colored pink azo compound. The intensity of the color is directly proportional to the concentration of nitrite in the sample. Due to the significant intensity of the developed color even at very low nitrite concentrations, we are now able to offer a low range comparator with the visual CHEMets® Kit. Likewise, the instrumental Vacu-vials Kit provides a much lower limit of detection than our chromotropic acid kit offers. Additionally, the analysis time is reduced from 10 to 8 minutes.

We continue to offer the nitrite product line which employs the chromotropic acid reagent for customers who require measurement options for higher nitrite concentrations.

The two new CHEMetrics® NED nitrite test kits include:

- Visual CHEMets® Kit, [Cat. No. K-7006](#), ranges 0-0.1 & 0-1.0 ppm, and
- Instrumental Vacu-vials® Kit, [Cat. No. K-7013](#), range 0-0.750 ppm. The Vacu-vials® Kit can be used in CHEMetrics® V-2000 or V-3000 Multi-Analyte Photometer or any spectrophotometer that accepts 13 mm round vials.

For more information about the nitrite (NED method) test kits, visit www.chemetrics.com, call 800.356.3072, or email technical@chemetrics.com.