

## CHEMetrics Introduces NEW Monochloramine Water Analysis Test Kits

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CHEMetrics is pleased to announce the release of two new test kits employing the hydroxybenzyl alcohol (HBA) method to measure monochloramine in water. These test kits are perfect for drinking water and wastewater testing applications in the field and lab. This method measures only monochloramine and expresses the results as ppm (mg/L) monochloramine as chlorine ( $\text{NH}_2\text{Cl}-\text{Cl}_2$ ) in just 5 minutes. (Monochloramine in water reacts with HBA in the presence of sodium nitroferrocyanide to form a green colored complex in direct relation to the concentration of monochloramine.)

The CHEMetrics® K-6802 visual test kit measures from 0-20 ppm  $\text{NH}_2\text{Cl}-\text{Cl}_2$  utilizing vacuum sealed self-filling ampoule technology. It comes with everything needed to perform 30 tests packed into a convenient plastic case.

The Vacu-vials® K-6803 instrumental test kit measures in the following ranges depending on the instrument:



- **CHEMetrics V-2000 Photometer:** 0 - 15.0 ppm  $\text{NH}_2\text{Cl}-\text{Cl}_2$  (Prog. # 117)
- **CHEMetrics V-3000 Photometer:** 0 - 8.00 ppm  $\text{NH}_2\text{Cl}-\text{Cl}_2$  (Prog. # 117)
- **Spectrophotometer:** 0 - 8.00 ppm  $\text{NH}_2\text{Cl}-\text{Cl}_2$

K-6803 uses self-filling ampoules that are compatible with any spectrophotometer that accepts a 13mm round cell. The kit comes with everything needed to perform 30 tests packaged into an environmentally-friendly cardboard box.



## 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.

