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CHEMetrics® Water Quality Solutions for Municipal Water Treatment

Municipal water treatment is a dynamic industry with frequently changing needs. The quality of influent changes regularly and the treatments must be modified to meet these needs. Increasingly strict regulations are also becoming more common. To meet these challenges, water testing for municipal water must be flexible, reliable, and rapid.

CHEMetrics® offers affordable water quality test kits to meet these needs. Our kits are designed to monitor key parameters across all sectors of municipal water treatment. Multiple ranges are available to cover influent, effluent, and finished drinking water. Our COD vials utilize standard screw cap vials while our other test kits utilize vacuum-sealed glass ampoules that are pre-dosed with reagent for a single test. This allows for a longer shelf-life, fewer steps, and limits operator error.

Many test kits come in a convenient visual format called CHEMets® ampoules. These kits provide results by comparing the color development of the test to a comparator. We also offer an instrumental format called Vacu-vials® ampoules. These tests are read in a pre-calibrated CHEMetrics instrument or any spectrophotometer that accepts a 13-mm round cell, to get your results.

Wastewater Parameters offered:

- **Ammonia**
- **Chemical Oxygen Demand (COD)**
- **Nitrate/Nitrite**
- **Phenols**
- **Phosphate**
- **and More**



Wastewater Test Kits

Product	CHEMetrics Method	Range mg/L = PPM	Avantor Catalog Number	Number of Tests	Instrumental Test	Visual/ Titrimetric Test
Ammonia	Hydroxybenzyl Alcohol (HBA)	0 - 3.00 & 0 - 60.0 mg/L	77674-716	30	•	
		0 - 4 & 0 - 80 mg/L	77674-718	30		•
		0 - 2000 mg/L & 0 - 10,000 mg/L	77674-720	30		•
	Nesslerization	0 - 1.00 mg/L & 1 - 10 mg/L	CXK-1510*	30		•
		0 - 10 mg/L & 0 - 150 mg/L	77674-722*	30	•	
		25 - 250 mg/L	77674-724*	30		•
		125 - 1250 mg/L	77674-726*	30		•
		1000 - 10,000 mg/L	77674-728*	30		•
		5 - 50 mg/L	77674-730*	30		•
		0 - 20 mg/L	77674-732*	30	•	
COD	Dichromate Reactor Digestion	0 - 150 mg/L USEPA-accepted	CXK-7350S* / CXK7355*	25 / 150	•	
		0 - 150 mg/L (Mercury-free)	CXK-7351S / CXK7356	25 / 150	•	
		0 - 1500 mg/L USEPA-accepted	CXK-7360S* / CXK7356*	25 / 150	•	
		0 - 1500 mg/L (Mercury-free)	CXK-7361S / CXK7366	25 / 150	•	
		0 - 15,000 mg/L	CXK-7370S* / CXK7375*	25 / 98	•	
		0 - 15,000 mg/L (Mercury-free)	CXK-7371S / CXK7376	25 / 98	•	
Nitrate	Zinc Reduction	0 - 3.4 mg/L as N	10736-448	30		•
		0 - 1.50 mg/L as N	77674-826	30	•	
	Cadmium Reduction	0 - 4.5 mg/L as N	95026-864	30		•
		0 - 225 mg/L as N	95026-866	30		•
		0 - 45 mg/L as N	95026-870	30		•
		0 - 1.50 mg/L as N	CXK-6903	30	•	
		0 - 7.50 mg/L as N	77674-828	30	•	
		0 - 50.0 mg/L as NO ₃	77674-830	30	•	
Nitrite	Azo Dye Formation	0 - 2.5 ppm as N	CXK-7004	30		•
		0 - 250 ppm as N	77674-838	30		•
		0 - 2000 ppm as N	77674-840	30		•
		0 - 0.1 & 0 - 1 ppm as N	77674-834	30		•
		0 - 0.750 ppm as N	77674-836	30		•
	Ceric Sulfate Titrant w/ Ferroin Indicator	250 - 2500 ppm as as NaNO ₂	CXK-7025	30		•
		500 - 5000 ppm as NaNO ₂	CXK-7050	30		•
Phenols	4 - Aminoantipyrine	0 - 1 & 0 - 12 mg/L	CXK-8012	30		•
		0 - 300 mg/L	77674-856	30		•
		0 - 8.00 mg/L	CXK-8003	30	•	
		0 - 20.0 mg/L	77674-858	30	•	
Phosphate	Stannous Chloride	0 - 1 & 1 - 10 mg/L	CXK-8510	30		•
		10 - 100 mg/L	77674-864	30		•
		V - 2000: 0 - 8.00 mg/L V - 3000 & Spec: 0 - 5.00 mg/L	77674-860	30	•	
	Vanadomolybdophosphoric Acid	0 - 120 mg/L	77674-862	30		•
		2 - 30 mg/L	CXK-8530	30		•
		0 - 80.0 mg/L	CXK-8503	30	•	

*Contains mercury. Dispose according to local, state or federal laws.