

Method

Reference: APHA Standard Methods, 21st ed., Method 3500-Cu C (2005).

Copper is naturally present in the earth's crust and in seawater. Copper-containing fungicides are used to control biological growth in water supplies.

The Maximum Contaminant Level Goal for copper is 1.3 mg/L in drinking water.

The measurement of copper is an important means of monitoring the corrosion of condensate systems and heat exchangers.

CHEMetrics' test kits employ the bathocuproine reagent. Bathocuproine disulfonate forms an orange-colored chelate with copper. The method measures total soluble copper as ppm (mg/L) Cu. The test kits are applicable for analysis of drinking water, surface waters, groundwater, wastewater and seawater.

Visual Kit

Range: 0-1 & 1-10 ppm
MDL: 0.05 ppm / Method: Bathocuproine

CHEMetrics Kit	Cat#
CHEMetrics Refill, 30 ampoules	R-3510
Low Range Comparator 0, 0.1, 0.2, 0.3, 0.4, 0.6, 0.8, 1.0 ppm	C-3501
High Range Comparator 1, 2, 3, 4, 5, 6, 7, 8, 10 ppm	C-3510

Kit comes in a plastic case and contains everything needed to perform 30 tests: Refill, Low and High Range Comparators, 25 mL sample cup, instructions, and MSDS

Instrumental Kits

V-2000 Multi-Analyte Photometer

(See page 12 for instrumental features)

Range: V-2000: 0.50-12.00 ppm / Spec: 0.25-7.00 ppm
Method: Bathocuproine

Vacu-vials Kit	Cat#
	K-3503

Kit comes in a cardboard box and contains everything needed to perform 30 tests: thirty ampoules, 25 mL sample cup, ampoule blank, instructions, calibration table, and MSDS.

Vacu-vials Kits require the use of the V-2000 Photometer or a spectrophotometer capable of accepting a 13 mm diameter round cell. Instrument sold separately.

Kit Components common to Copper

Description	Cat#
Sample Cup Pack, 25 mL (6 ea)	A-0013
Ampoule Blank Pack (5 ea)	A-0023

Instructions are posted on our website.

If no shelf-life is listed for a product, then the shelf-life is at least 2 years.

