

Method

Zinc deposits are present in much of the earth’s crust. The metal provides an effective protective coating for steel (galvanized coatings) and is useful as an alloying agent. Zinc salts are useful as corrosion inhibitors in cooling water treatment formulations. The USEPA has established a Maximum Secondary Drinking Water Standard of 5 mg/L for zinc.

The Zincon Method

References: APHA Standard Methods, 23rd ed., Method 3500-Zn B- 1997. ASTM D 1691-84, Zinc in Water, Test Method A.

CHEMetrics’ method determines soluble zinc in drinking water and wastewater. Zinc reacts with the reagent *zincon* in a buffered alkaline solution to form a blue complex. Interference from other heavy metals can be eliminated by the addition of cyanide. However, for safety, cyanide has not been included in the reagent formulation. Results are expressed as ppm (mg/L) Zn.

Shelf life: Although the reagent in the ampoule is stable, the indicator solution has an 8-month shelf life. We recommend stocking quantities that will be used within 7 months.



Instrumental Kits

Multi-Analyte Photometers

V-2000 / V-3000
(See page 14 for instrumental features)

Range: 0-3.00 ppm
Method: Zincon

Cat#	
Vacu-vials Kit, Shelf life 8 months	K-9903
Kit comes in a cardboard box and contains everything needed to perform up to 20 tests (except distilled water): thirty ampoules, Indicator Solution, 25 mL sample cup, ampoule blank and instructions.	

Range: 0-15.0 ppm
Method: Zincon

Cat#	
Vacu-vials Kit, Shelf life 8 months	K-9923
Kit comes in a cardboard box and contains everything needed to perform up to 29 tests (except distilled water): thirty ampoules, Indicator Solution, 25 mL sample cup, 10 mL syringe, ampoule blank and instructions.	

Vacu-vials Kits require the use of a CHEMetrics Direct-Readout Photometer (photometers sold separately) or a spectrophotometer capable of accepting a 13 mm diameter round cell. See page 14 for details.

Components and Accessories

Description	Cat#
Sample Cup Pack, 25 mL (6 ea)	A-0013
Ampoule Blank Pack (5 ea)	A-0023
Syringe Pack, 10 mL (6 ea)	A-0104
* Sample Zeroing Accessory Pack	A-0503

* For use when testing colored or turbid samples. See page 13 for details.

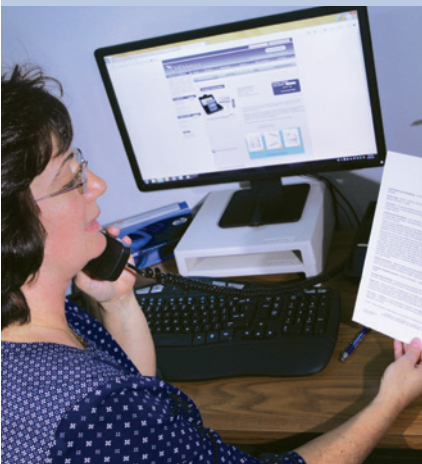
Instructions and SDSs are posted on our website.
If no shelf life is listed for a product, then the shelf life is at least 1 year.



Order Processing & International Sales
Customer satisfaction is our top priority



On Time Shipping
Most orders ship within one business day



Technical Services
Product Support with a personal touch



Quality Control
Dedicated to delivering superior product