Chromate (hexavalent)

Method

References: APHA Standard Methods, 21st ed., Method 3500-Cr B (2005). ASTM D 1687-02, Chromium in Water, Test Method A.

Hexavalent chromium salts are used in numerous industrial processes. They are also used extensively as corrosion inhibitors in open and closed cooling water systems.

With the chromate test method, hexavalent chromium reacts with diphenylcarbazide under acid conditions to form a red-violet color. Results are expressed as ppm (mg/L) CrO₄.

Visual Kits

Cat#
K-2810
R-2810
A-28001
C-2801
C-2810

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

Range: 0-30 & 30-300 ppm MDL: 5 ppm / Method: Diphenylcarbazide	
VACUettes Kit	Cat# K-2810D
VACUettes Refill, 30 ampoules	R-2810D
Acidifier Solution Pack, six 10 mL bottles	A-2800 ¹
Low Range Comparator 0, 5, 7.5, 10, 15, 20, 25, 30 ppm	C-2801D
High Range Comparator 30, 60, 90, 120, 150, 175, 200, 250, 300 ppm	C-2810D
Kit comes in a plastic case and contains everything needed to r	nerform 30 tests

(except distilled water): Refill, Low and High Range Comparators, Acidifier Solution, dilutor snapper cup, micro test tube, instructions, and MSDS.

	Cat#
VACUettes Kit	K-2810
VACUettes Refill, 30 ampoules	R-2810A
Acidifier Solution Pack, six 10 mL bottles	A-2800 ¹
Low Range Comparator 0, 10, 15, 20, 30, 40, 50, 60 ppm	C-2801/
High Range Comparator 60, 120, 180, 240, 300, 350, 400, 500, 600 ppm	C-2810

Range: 0-120 & 120-1200 ppm MDL: 20 ppm / Method: Diphenylcarbazide	
VACUettes Kit	Cat# K-2810B
VACUettes Refill, 30 ampoules	R-2810B
Acidifier Solution Pack, six 10 mL bottles	A-2800 ¹
Low Range Comparator 0, 20, 30, 40, 60, 80, 100, 120 ppm	C-2801B
High Range Comparator 120, 240, 360, 480, 600, 700, 800, 1000, 1200 ppm	C-2810B
Kit comes in a plastic case and contains everything needed to perform 30 tests (except distilled water): Refill, Low and High Range Comparators, Acidifier Solution, dilutor snapper cup, micro test tube, instructions, and MSDS.	

Range: 0-1200 & 1200-12,000 ppm MDL: 200 ppm / Method: Diphenylcarbazide	
VACUettes Kit	Cat# K-2810C
VACUettes Refill, 30 ampoules	R-2810C
Acidifier Solution Pack, six 10 mL bottles	A-28001
Low Range Comparator 0, 200, 300, 400, 600, 800, 1000, 1200 ppm	C-2801C
High Range Comparator 1200, 2400, 3600, 4800, 6000, 7000, 8000, 10,000, 12,000 ppm	C-2810C
Kit comes in a plastic case and contains everything needed to perform (except distilled water): Refill, Low and High Range Comparators, Ac Solution, dilutor snapper cup, micro test tube, instructions, and MSDS	idifier

¹The accessory pack supplies enough solution to perform at least 200 tests.



V-2000 Multi-Analyte Photometer

(See page 12 for instrumental features)

Range: 0.20-3.50 ppm Method: Diphenylcarbazide

Cat#

Vacu-vials Kit

K-2803

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

Range: 0.70-13.00 ppm Method: Diphenylcarbazide

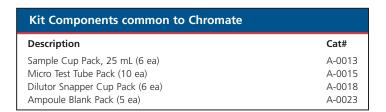
Cat#

Vacu-vials Kit

K-2823

Kit comes in a cardboard box and contains everything needed to perform 30 tests: thirty ampoules, Acidifier Solution, 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.



Instructions are posted on our website.

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



