

# BROMINE - CHLORIDE



The total chelant determination is limited to 50 ppm or 10 drops of titrant. The test is pH dependent. Because the titrant is very acidic, it can decrease the pH of the endpoint.

INDIVIDUAL TEST KITS

ORDER CODE MODEL	TEST SYSTEM (DETAILED ON PAGES 6-7)	RANGE/SENSITIVITY	# OF TESTS (# REAGENTS)	SHIPPING CODE (WEIGHT/LBS)
<b>BROMINE</b> (Continued)				
6824 LP-29	DPD Tablet Bromine in Chlorine Octet Comparator	0.2, 0.4, 0.6, 0.8, 1.0, 1.5, 2.0, 3.0 ppm Br	50 (3)	NH (1)
3672-01 DC1200-BR	DPD Tablet Colorimeter	0-7.0 ppm/0.05 ppm Br	100 (1)	NH (5)
3624 CL-BR	FAS Chlorine or Bromine Direct Reading Titrator	0-10 ppm/0.2 ppm Cl or Br 0-100 ppm/2 ppm Cl or Br	50 at 10 ppm (3)	NH (1)
<b>CADMIUM</b> A dithizone extraction of cadmium produces a pink to red color.				
7839-01 P-53	Octet Comparator	0.1, 0.2, 0.3, 0.4, 0.5, 0.6, 0.8, 1.0 ppm Cd	20 (4)	HF (1)
<b>CALCIUM</b> (See Hardness)				
<b>CARBON DIOXIDE</b> A standard alkali is used to titrate samples to the phenolphthalein endpoint.				
7297-DR PCO-DR	Direct Reading Titrator	0-50 ppm/1.0 ppm CO <sub>2</sub>	50 at 50 ppm (2)	R1 (1)
7525 PCO-DC	Dropper Pipet	1 drop = 2.5 ppm CO <sub>2</sub>	50 at 50 ppm (2)	R1 (1)
<b>CAUSTIC</b> A sample is reacted with barium to precipitate any carbonates, then is titrated with a standard acid to the phenolphthalein endpoint. The 7181 includes a 1:10 dilution, resulting in a 1 drop = 0.1% or 1 drop = 1% equivalence.				
7516-DR-01 DCA-DR	Direct Reading Titrator	0-10%/0.2% NaOH	50 at 10% (4)	R1 (1)
7181	Dropper Bottle	1 drop = 0.1 or 1% NaOH	50 at 10% (3)	R1 (1)
<b>CHELANT</b> Free chelant is determined by using the back titration of a hardness test, with magnesium as the titrant. Since bismuth will displace other metals from chelants, it is used for total chelant determinations. Both tests use different sample sizes to determine NTA or EDTA.				
7144	Free Chelant Dropper Bottle	1 drop = 2 ppm EDTA 1 drop = 2 ppm NTA	100 (3)	R1 (1)
7143	Total Chelant Dropper Bottle	1 drop = 5 ppm EDTA 1 drop = 5 ppm NTA	100 (3)	HF (1)
<b>CHLORIDE</b> The argentometric method is used with all kits. This employs a chromate indicator and silver nitrate titrant. Hydrogen peroxide is included with kits 7172 and 7247 to eliminate sulfite interference.				
3468*† DR-C	Direct Reading Titrator	0-50 ppm/1 ppm Cl <sup>-</sup>	50 (2)	NH (1)
4503-DR-01 PSC-DR	Direct Reading Titrator	0-200 ppm/4 ppm Cl <sup>-</sup> 0-20,000 ppm/400 ppm	50 at 200 ppm (4)	R1 (1)

Ship Codes: (NH) Non-Hazardous Material - No Fees • (R1) Small Qty. Hazardous Material - No Fees • (R2 & R3) Hazardous Material - Air Fees Only • (HF) Hazardous Material - Air & Ground Fees  
\*(NPDWR) EPA Accepted • †(NPDES) EPA Accepted • Direct Reading Titrators have a specific range, but may be refilled to test higher concentrations.