Free Chelant as EDTA in High Alkalinity Systems

KS-0047B

1 Drop = 20 ppm EDTA & 1 Drop = 200 ppm EDTA

1. Fill the graduated test vial (PS-1060) to the 10 mL line with the water sample.
2. Add 1 to 2 drops of Free Chelant pH Indicator Solution (RS-1096) and mix.If the sample turns yellow, proceed to step 4. If the sample turns orange, proceed to step 3.
3. Add Hydrochloric Acid 6N (RS-0032), drop by drop, mixing after each drop, until the sample turns yellow.
4. Add 25 drops of Hardness Indicator Buffer Solution (RS-1035). If the sample turns pink, there is no free EDTA. If free EDTA is present, the sample will turn blue.
5. Titrate with Free EDTA Titrating Solution 1 Drop = 20 ppm EDTA (RS-2037/20) or 1 Drop = 200 ppm EDTA (RS-2037/200), drop by drop, mixing after each drop, until the sample turns pink/red.

ppm Free EDTA = # of Drops of RS-2037/20 x 20 or # of Drops of RS-2037/200 x 200

Replacement Reagents & Parts

RS-2037/20	2oz	Free EDTA Titrating Solution 1 Drop = 20 ppm
RS-2037/200	2oz	Free EDTA Titrating Solution 1 Drop = 200 ppm
RS-1096	2oz	Free Chelant pH Indicator Solution
RS-1032	2oz	Hydrochloric Acid 6N
RS-1035	2oz	Hardness Indicator Buffer Solution
PS-1060	2 x Each	Graduated Reaction Vial
PW-1110	Each	Test Kit Box w/ Foam Insert & Bottom Foam Pad