





Read "Jump Start" before beginning!

*Possible Health Hazards: Read MSDS and product label before use.

Free Chlorine

Cl₂

Ideal Range:
1.0 - 3.0 ppm

1. Fill tube (0106) to 5 mL line. 
2. Add one *Chlorine DPD #1R Tablet (6999A) to tube. Cap and mix to disintegrate. 
3. Insert Chlorine Octa-Slide Bar (3401/3428/3430) into the Octa-Slide Viewer (1100). Insert test tube into Octa-Slide Viewer. 
4. Match sample to a color standard. Record as ppm Free Chlorine. Do not discard sample if Total Chlorine is to be tested. 

Total Chlorine

Cl₂

Ideal Range:
equal to Free Cl₂ or
Combined Cl₂ <0.2



1. Remove cap from the Free Chlorine test sample. 
2. Add one *Chlorine DPD #3R Tablet (6905A) to tube. Cap and mix to disintegrate. 
3. Insert Chlorine Octa-Slide Bar (3401/3428/3430) into the Octa-Slide Viewer (1100). Insert test tube into Octa-Slide Viewer. 
4. Match sample to a color standard. Record as ppm Total Chlorine. Total Chlorine minus Free Chlorine equals Combined Chlorine. 

Bromine

Multiply results above by 2.25.

pH



Ideal Range:
7.2 - 7.8 pH

1. Fill tube (0106) to 10 mL line. 
2. Add one Phenol Red Tablet (6915A) to tube. Cap and mix to disintegrate. 
3. Insert pH Octa-Slide Bar (3403) into the Octa-Slide Viewer (1100). Insert test tube into Octa-Slide Viewer. 
4. Match sample to a color standard. Record as pH. 

Total Alkalinity

Alk


Ideal Range:
100 - 150 ppm

1. Add one *Alk Test Tablet (3920A) to a test tube (0969). 
2. Use the sampling bottle (0688) to add water sample to the 400 ppm line. 
3. Gently swirl to disintegrate the tablet. 
4. If a green color is present alkalinity is above 400 ppm. If color is red, go to Step 5. 
5. Add small amounts of sample until red color changes to green. Swirl tube between each addition! Read result at liquid level on tube. 

Ca Hardness

Hard





Ideal Range:
200 - 400 ppm

1. Add one *Calcium Hardness Tablet (6846A) to a test tube (0969). 
2. Use the sampling bottle (0688) to add water sample to the 400 ppm line. 
3. Gently swirl to disintegrate the tablet. 
4. If a pink color is present hardness is above 400 ppm. If color is purple, go to Step 5. 
5. Add small amounts of sample until purple color changes to pink. Swirl tube between each addition! Read result at liquid level on tube. 

Cyanuric Acid

CyA

Ideal Range:
30 - 100 ppm

1. Remove square tube and cap from double tube (1161). Fill round tube to top line with sample. 
2. Add one *Cyanuric Acid Tablet (6994A), cap with solid cap and shake to dissolve. 
3. Replace solid cap with the calibrated square tube and cap collar. The square tube will fill with turbid liquid. 
4. Viewing from above, adjust the square tube until the black dot just barely disappears. Read result on tube at the water level. 

NOTE To read above 100 ppm, retest by adding sample to lower line, add tap water to top line. Multiply result x 2.