






# Read "Jump Start" before beginning!

Code 3366-01/Code 3366-NJ-01

## Free Chlorine

# Cl<sub>2</sub>





Ideal Range:  
1.0 - 3.0 ppm

- 1 Insert Chlorine Octa-Slide 2 Bar (3401-01/3428-01) into the Octa-Slide 2 Viewer (1101). 
- 2 Fill tube (0106) to 5 mL line with sample water. 
- 3 Add one Chlorine DPD #1R Tablet (6999A) to tube. Cap and mix until tablet disintegrates. 
- 4 Insert test tube into Octa-Slide 2 Viewer. 
- 5 Match sample to a color standard. Record as ppm Free Chlorine. Do not discard sample if Total Chlorine is to be tested. 

## Total Chlorine

# Cl<sub>2</sub>

Ideal Range:  
Equal to Free Cl<sub>2</sub> or  
Combined Cl<sub>2</sub><0.2






- 1 Remove cap from the Free Chlorine reaction. 
- 2 Add one Chlorine DPD #3R Tablet (6905A) to tube. Cap and mix until tablet disintegrates. 
- 3 Insert test tube into Octa-Slide 2 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 Insert pH Octa-Slide 2 Bar (3403-01) into the Octa-Slide 2 Viewer (1101). 
- 2 Fill tube (0106) to 10 mL line with sample water. 
- 3 Add one Phenol Red Tablet (6915A) to tube. Cap and mix until tablet disintegrates. 
- 4 Insert test tube into Octa-Slide 2 Viewer. 
- 5 Match sample to a color standard. Record as pH. 

## Total Alkalinity

# ALK

Ideal Range:  
80 - 120 ppm plaster  
100 - 150 ppm vinyl & others

- 1 Add one Alk Test Tablet (3920A) to a test tube (0969). 
- 2 Use the sample bottle (0688) to add sample water 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 water 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 plaster  
175 - 300 ppm vinyl

- 1 Add one \*Calcium Hardness Tablet (6846A) to a test tube (0969). 
- 2 Use the sample bottle (0688) to add sample water 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 water until purple color changes to pink. Swirl tube between each addition! Read result at liquid level on tube. 