

# Read "Jump Start" before beginning!

\*Hazardous Materials: Read MSDS before using.

# Code 3366/Code 3366-NJ

## Free Chlorine

# Cl<sub>2</sub>

Ideal Range:  
1.0 - 3.0 ppm

1. Fill tube (0106) to 5 mL line. 
2. Add one \*Chlorine DPD #1R Tablet (6999) to tube. Cap and mix to disintegrate. 
3. Insert Chlorine Octa-Slide Bar (3401/3428) into the Octa-Slide Viewer (1100). 
4. Insert test tube into Octa-Slide 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 test sample. 
2. Add one \*Chlorine DPD #3R Tablet (6905) to tube. Cap and mix to disintegrate. 
3. Insert Chlorine Octa-Slide Bar (3401/3428) into the Octa-Slide Viewer (1100). 
4. Insert test tube into Octa-Slide Viewer. 
5. 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 (6915) to tube. Cap and mix to disintegrate. 
3. Insert pH Octa-Slide Bar (3403) into the Octa-Slide Viewer (1100). 
4. Insert test tube into Octa-Slide 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 (3920) 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 plaster  
175 - 300 ppm vinyl

1. Add one \*Calcium Hardness Tablet (6846) 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. 