

## Sunburst Pool 2026 Testing Procedures - Opening

Four tests need to be completed each morning. Please complete each below and document results on the worksheet attached to the clipboard.

### TEST 1: Free Chlorine Test

1. Rinse and fill the large sample tube with water from the pool (dip in pool about a foot down, do not just grab water from the top of pool) to the 25 ml mark.
2. Add two dippers of DPD powder (R-0870) and swirl until dissolved
3. If a pink color appears, it indicates chlorine is present
4. If the pink color disappears, add more DPD powder until it turns pink again
5. Add FAS-DPD titrating reagent (R-0871) dropwise, swirling after each drop, until the color changes from pink to colorless.
6. Count the drops and multiply by the factor of 0.2 to get the free chlorine reading.
  - a. Example: if it took 5 drops of FAS-DPD, you multiply  $5 \times 0.2$ , which equals 1.0.  
This is the Free Chlorine reading to document.
7. DO NOT DUMP THE WATER, KEEP FOR NEXT TEST

### TEST 2: Combined Chlorine Test

1. After the Free Chlorine Test, add 5 drops of R-0003 and swirl
2. If combined chlorine is present, the sample will turn pink
3. Add FAS-DPD titrating reagent (R-0871) dropwise, swirling after each drop, until the color changes from pink to colorless.
4. Count the drops and multiply by the factor of 0.2 to get the combined chlorine reading
  - a. Example: if it took 1 drop of FAS-DPD, you multiply  $1 \times 0.2$ , which equals 0.2.  
This is the Combined Chlorine reading to document.
5. Dump water in drain collector (outside of pool)

### TEST 3: pH Test

1. Fill the large tube to 44 mL mark with pool water (dip in pool about one foot down)
2. Add 5 drops of R-0004.
3. Cap the tube and invert to mix.
4. Match color to the options on the side of the tube.
  - a. If color is between two values, pH is average of the two
5. Record as pH units on the worksheet.

### TEST 4: Total Alkalinity

1. Fill the large tube to 25ml mark with pool water (dip in pool about one foot down)
2. Add 2 drops R-0007. Swirl to mix
3. Add 5 drops R-0008. Swirl to mix. Sample will turn green.
4. Add R-0009 dropwise, swirling and counting after each drop, until color changes from green to red.
5. Multiply the drops in step 4 by 10. Record as ppm on worksheet.

## Sunburst Pool 2026 Testing Procedures - 1:00, 5:00 & 9:00pm

Two tests need to be completed at each check (1:00, 5:00 and 9:00pm). Please complete each below and document results on the worksheet attached to the clipboard.

### TEST 1: Free Chlorine Test

1. Rinse and fill the large sample tube with water from the pool (dip in pool about a foot down, do not just grab water from the top of pool) to the 25 ml mark.
2. Add two dippers of DPD powder (R-0870) and swirl until dissolved
3. If a pink color appears, it indicates chlorine is present
4. If the pink color disappears, add more DPD powder until it turns pink again
5. Add FAS-DPD titrating reagent (R-0871) dropwise, swirling after each drop, until the color changes from pink to colorless.
6. Count the drops and multiply by the factor of 0.2 to get the free chlorine reading.
  - a. Example: if it took 5 drops of FAS-DPD, you multiply  $5 \times 0.2$ , which equals 1.0. This is the Free Chlorine reading to document.

### TEST 2: pH Test

1. Fill the large tube to 44 mL mark with pool water (dip in pool about one foot down)
2. Add 5 drops of R-0004.
3. Cap the tube and invert to mix.
4. Match color to the options on the side of the tube.
  - a. If color is between two values, pH is average of the two
5. Record as pH units on the worksheet.