

Swimming Pool Parameters

Bacteriological and Chemical

Bacteriological Parameters

Parameter	Guideline	What it is	Testing Frequency
Heterotrophic Plate Count (HPC)	100 CFU	Measure of bacteriological water quality	Weekly
Total Coliform	100 TC/100mL	Measure of bacteriological water quality	Weekly
<i>Pseudomonas aeruginosa</i> >30°C	None	Measure of bacteriological water quality	Weekly

Chemical Parameters

Parameter	Guideline	What it is	Testing Frequency
Free Available Chlorine (SP & WP)	1.0 ppm in SP < 30°C 2.0 ppm in stand alone spray park/water park 2.0 ppm in WP <i>0.5 ppm if ORP > 700mV</i>	Disinfectant	Daily
Combined Chlorine	Maintain at the lowest level to maximize bather comfort	Cl that has combined with organic matter	Daily
Total Alkalinity	60-180ppm	Measure of the ability to buffer pH changes	Weekly
pH	6.8-7.6	Affects the disinfection ability of chlorine	Daily
Calcium Hardness	150-400ppm	Measure of dissolved Calcium	Operational guideline. Levels vary depending WP vs SP and type of material pool is made of.
TDS	800-1,000ppm up to 6,000ppm for saltwater systems	Total weight of all soluble matter in the water	Operational guideline
Cyanuric Acid	<50ppm	Only used in outdoor pools	Weekly

Swimming pool (SP) temperature <30°C (some pools may be >30°C and still considered swimming pools)

Whirl pool (WP) temperature >30°C max temp 40°C

Refer to document "Interpreting Microbiological Sample Test Results for Public Swimming Pools" in SharePoint for additional information.

Refer to document "Pseudomonas aeruginosa Information Sheet" in SharePoint for additional information.

