



# Water Chemistry

IT'S HOT! The sunlight kills chlorine and as the temperatures rise and usage increases, pools and spas should be maintained more frequently. Figure: 25 TAC 265.206(b)

Disinfectant Levels	Minimum	Ideal	Maximum
Free Chlorine Pools	1.0 ppm	2.0 - 3.0 ppm	8.0 ppm
Free Chlorine Spas	2.0 ppm	3.0 ppm	8.0 ppm
Combined Chlorine	None	None	None
Bromine Pools	3.0 ppm	4.0- 6.0 ppm	10.0 ppm
Bromine Spas	4.0 ppm	5.0 ppm	10.0 ppm

pH Levels	Minimum	Ideal	Maximum
pH	Not less than 7.0	7.2 - 7.6	7.8
Cyanuric Acid	NONE	30-50 ppm	100 ppm
ORP	600 mV	650-750 mV	900 mV
Alkalinity	60 ppm	60-180 ppm	>180 ppm
Calcium Hardness in Pools	150 ppm	>150-400 ppm	1000 ppm
Calcium Hardness in Spas	100 ppm	150-400 ppm	800 ppm

- Chlorine tablets are not allowed to be put in the skimmer baskets.
- DPD (diethyl phenylene diamine) test kit is required when testing the water chemistry.
- All tests should be logged in a book and left on file.
- The water should be clear and the main drain at the deepest part of the pool should be clearly visible at all times.