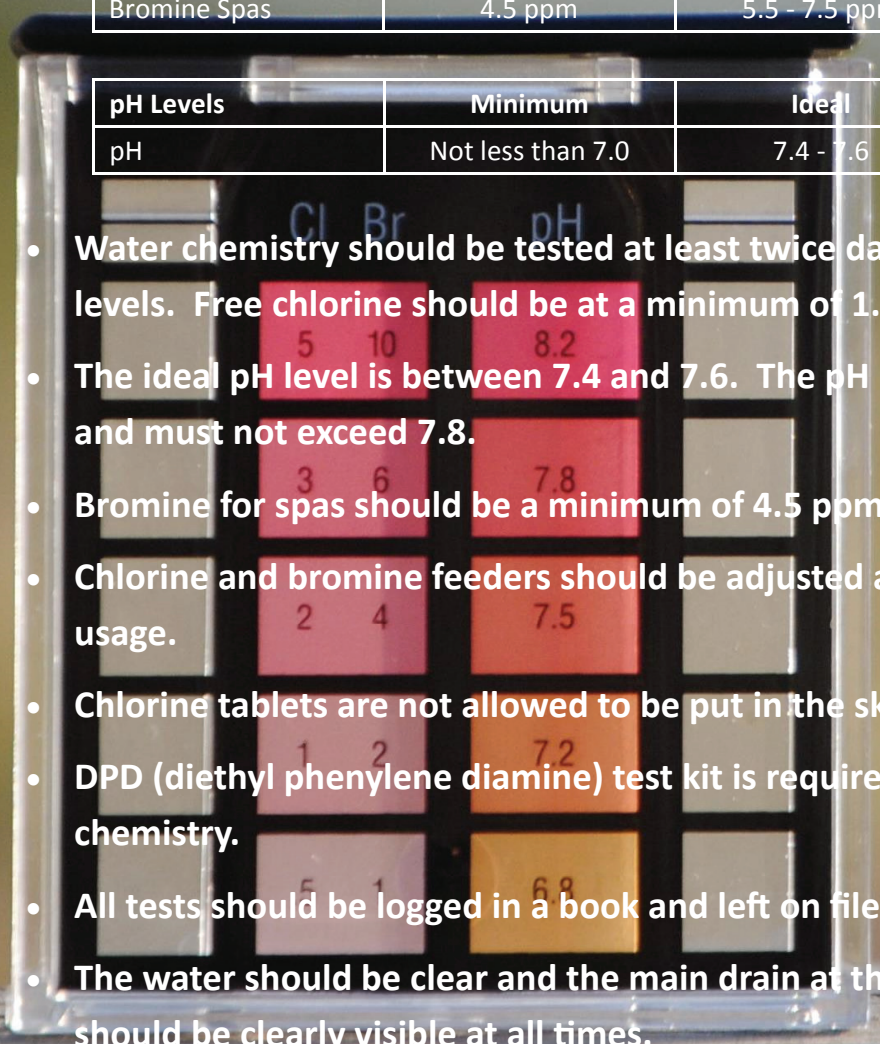
Waco-McLennan County Public Health District
Environmental Health Division
225 West Waco Drive
Waco, Texas 76707
(254) 750-5464

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.

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 - 5.0 ppm	8.0 ppm
Combined Chlorine	None	None	None
Bromine Pools	2.5 ppm	2.5 - 6.0 ppm	12.0 ppm
Bromine Spas	4.5 ppm	5.5 - 7.5 ppm	12.0 ppm

pH Levels	Minimum	Ideal	Maximum
pH	Not less than 7.0	7.4 - 7.6	7.8



- **Water chemistry should be tested at least twice daily to check disinfectant levels. Free chlorine should be at a minimum of 1.0 ppm.**
- **The ideal pH level is between 7.4 and 7.6. The pH level should not be below 7.0 and must not exceed 7.8.**
- **Bromine for spas should be a minimum of 4.5 ppm.**
- **Chlorine and bromine feeders should be adjusted as needed during heavy usage.**
- **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.**

July 1, 2014