

Water Chemistry Guidelines

| Parameter | Minimum | Ideal | Maximum | Pool Type | Test |
|---------------------------------|------------|----------------------------|------------------------------|----------------------|--|
| Free Chlorine (ppm) | 1.0 | 2.0 – 4.0 | - | Pools, Waterparks | 4 hrs – Operational 12 hrs – Auto Control |
| | 2.0 | 3.0 – 5.0 | - | Spas | 4 hrs – Operational 12 hrs – Auto Control |
| | 2.0 | 3.0 – 5.0 | - | Spraypark | 6 hrs - Operational |
| Combined Chlorine (ppm) | 0 | 0 | 1 | Pools, Waterparks | 4 hrs – Operational 12 hrs – Auto Control |
| | 0 | 0 | 1 | Spas | 4 hrs – Operational 12 hrs – Auto Control |
| | 0 | 0 | 1 | Spraypark | 6 hrs - Operational |
| Total Bromine (ppm) | 2.0 4.0 | 4.0 – 6.0 | - | Pools Spas, Spray | 4 hrs – Operational 12 hrs – Auto Control |
| PHMB (ppm) | 30 | 30 - 50 | 50 | All Types | 4 hrs – Operational 12 hrs – Auto Control |
| pH | 7.2 | 7.2 – 7.6 | 7.8 | All Types | 4 hrs – Operational 4 hrs – Auto Control 6 hrs- Spray |
| Total Alkalinity (ppm) | 60 | 80 – 120 * 100 – 120 ** | - | All Types | 1 x week |
| Total Dissolved Solids (ppm) | - | - | Impairs Water clarity | All Types | |
| Calcium Hardness As CaCO3 (ppm) | 150 | 200 – 400 | 1,000 | Pools, Waterparks | 1 x week |
| | 100 | 150 - 250 | 800 | Spas | 1 x week |
| Heavy Metals | None | None | None | All Types | |
| Visible Algae | None | None | None | All Types | |
| Bacteria | None | None | None | All Types | |
| Cyanuric Acid (ppm) | 0 | 30 - 50 | 70 | All Types | 1 x week |
| Temperature °F | - | 80.5 °F | 90 °F | Pools, Waterparks | Daily |
| | - | - | 104 °F | Spas | Daily |
| | - | Personal Preference | 104 °F | Other Pools | Daily |
| Ozone (ppm) | - | - | 0.1 Over 8-hr time wtd. Avg. | All Types | |
| ORP | 650 | - | - | All Types | 4 hrs – Operational 12 hrs – Auto Control |