



Balanced Pool Water

Parameter	Ideal Ranges
Chlorine - Free	2.0 - 4.0 PPM
Chlorine - Combined	0 - 0.2 PPM
pH	7.0 - 7.6
Total Alkalinity (adjusted)	80 - 120 PPM
Cyanuric Acid	30 - 80 PPM
Calcium Hardness	150 - 350 PPM
Total Dissolved Solids	0 - 1500 PPM
Temperature	personal preference - 30 degrees Celsius
Copper - Free	0 - 0.8 PPM
Phosphates	None
Ozone	0 - 0.1 PPM
Algae	None

* Ideal Ranges shown are recommended guidelines for water quality - Check pool type, system and jurisdiction.

* When the Saturation Index equals zero - water is balanced. Variations of + 0.5 or - 0.3 may cause pool problems.

- **SATURATION INDEX (SI)**

$$SI = pH + TF + CH + ALK - CONSTANT$$

SI = Saturation Index

pH = measured pH

TF = temperature factor

CH = measured calcium hardness

ALK = measured alkalinity minus cyanurate alkalinity

CONSTANT = combined factor for temperature & ionic strength correction & conversions

