

Pool Chemical Level Crib Sheet

	pH	Temperature	Calcium Hardness CaCO ³	Total Alkalinity Calcium Hypochlorite	TDS
Results Of exceeding	Too Alkaline Affects eyes, and skin. Water dull and soapy. liner Deterioration	Too Hot liner Deterioration Aids Liner Tramp	See Low Temp	Corrossion Slow pH changes with Hard water causes scale. IDEAL RANGE DIFFERS WITH SOURCE OF ALKALINITY	Dull Water Difficult Control. Corrosion in Disimilar Metals (see low calcium)
MAX	7.6	29°C/ 84°F	500 1000	120	1500
IDEAL	7.4	26.7°C/80°F	200 500 ppm 2.3	90 ppm 1.95	1000 12.1
MIN	7.2		150 350 ppm	80	500
Results of low Readings	Too Acid Affects skin and eyes. Water Green. Liner Deterioration. Water absorbsion Causes Pickling and eyes. creases	Affects Langelier Balance but no harmful effects until very low: (0°C/32°F) Low temp and high calcium can cause soft scale forming- correct Langelier will prevent this.	Low calcium combined with high TDS will cause corrossion of plant and grout	Fast chnages in pH	Very unlikely but corrosive
OTHERS	Calcium Hypochlorite :		80 - 120		
	Sodium Hypochlorite :		120- 150		
	Chlorine Gas :		180 - 200		
	Chlorides		< than 1500 ppm		
	Free Chlorine		1.5 - 3		
	Comb Chlorine		< 1/3 free		
	Cyanuric Acid		30-200ppm		