



PROACT CHEMICALS (S) PTE.LTD.

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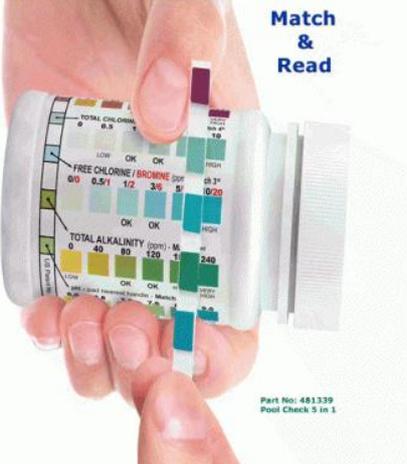
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Swimming Pool Controls & Measurement

 <p>Products: PoolCheck 4in1; PoolCheck 5in1; PoolCheck 6in1</p>	<h3>Free Chlorine vs Total Chlorine</h3> <p>Total Chlorine = Free Chlorine + Combined Chlorine</p> <p>The pool must be regularly tested for Free Chlorine, which should be higher than the combined chlorine.</p> <p>This is to ensure the pool is efficiently sanitized</p>
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Free Chlorine

This is the active part of the chlorine, which has the highest efficient killing power against – Bacteria, Algae and virus as well. Recommended levels for this continuously control, best be maintained between 1 to 5 ppm

Combined Chlorine

The Free chlorine in the swimming pool chemicals reacts with contamination like nitrogen and ammonia (say urine, sweat and others) in the process, the available chlorine is used up, combines with the contaminants it's working against, and becomes combined chlorine. These types of chlorine species are very weak to kill the bacteria, virus and algae. The maximum Combined Chlorine allowed is 0.5 ppm than Free Chlorine. Then the pool water may need some displacement.

Total Chlorine

When Total Chlorine is equals to Free Chlorine, means no Free Chlorine used by the contamination

Differences obtained, after testing with the [PoolCheck 4in1](#); [PoolCheck 5in1](#);
[PoolCheck 6in1](#), would provide the Combined Chlorine Levels.

Effectively Control for Balanced Pool Chemistry