

## Comparing on-site test results or Pool Shop results with POOL LAB ASP

To compare chlorine readings, please note the following

- To compare ASP readings with a manual test, use a good quality test kit like a Taylor test kit and use Taylor brand reagents that are new.

Do not compare ASP readings to a spin disc result unless it has been calibrated

- You must take the sample water from the skimmer box or to the location in the pool that the filtration pump draws from.

This is the same location that the ASP will take its test water from.

**Do not take the sample from a Spa if you have a pool – spa combination**

**Do not take the sample close to the pool returns**

**You must initiate the ASP to take the test at the same time that you perform a manual test**

Repeat the tests three times and observe the results.

Given the Taylor test is a manual "human optical test" you cannot expect an accuracy of more than 0.5 to 1.0ppm from person to person.

If the manual test is within 1ppm of the ASP result, this is okay for the purpose of comparison.

If the ASP No.1 reagent is dark in colour it may cause the measured chlorine level to be lower than the actual pool level.

Old or oxidised No.1 reagents may contribute to the chlorine level in the pool being higher than the ASP reading.

Another reason for differences in readings between manual and ASP is poor water movement in the pool.

A swimming pool can have high and low chlorine levels within the one body of water depending on the hydraulics of the pool.

This can lead to variations in readings.

If the filter is particularly dirty and causing a localised chlorine demand, this may explain a lower Chlorine reading on the ASP to a reading obtained via another test method from a pool water sample

**Test strips must not be used to compare readings as they provide poor accuracy**

## When comparing ASP readings with pool shop test results

Ensure the ASP reagents are new and in good condition

Ensure the reagents have been primed and the reagents tubes are not pinched by the ASP cover

Ensure the pool filter has been backwashed or in the case of a cartridge filter, cleaned

Initiate a chlorine and pH test on the POOL LAB system.

**How to initiate a chlorine and pH test on the POOL LAB system:**

- Press and hold the VIEW for 5 seconds
- Navigate using the UP or DOWN button to ASP TOOLS and press VIEW
- Navigate using the UP or DOWN button to RUN TESTS and press VIEW

The test sequence will take approximately 10 minutes to complete and display the results.

Whilst the test sequence is underway, take a water sample from the pool.

- The water sample container must NOT be a soft drink bottle or have contained acidic goods.
- The water sample container must be rinsed a number of times with pool water to ensure it is clean.
- Take the water sample at a depth of 300mm away from pool returns and preferably close to where the filtration system draws in the water from the pool.

Take the water sample to your pool shop for testing immediately - once water is dispensed into a bottle and effectively aerated and stored for a period, the chlorine and pH levels will change.

**POOL LAB uses a photometric system to test water which is the gold standard throughout the world.**

**Not all pool shops will have equipment as accurate as POOL LAB.**

**Do not expect the pool shop results to be identical to POOL LAB.**