

IAPSO Standard Seawater

The **IAPSO Standard Seawater Service** provides seawater standards of precisely known electrical conductivity ratio for the calibration of salinity measurement devices. IAPSO Standard Seawater is the only salinity standard approved by all the major oceanographic bodies.

Use:

- To mix the standard rotate the bottle several times on its vertical axis
- To open simply remove metal crimp cap and take out stopper
- Use the standard immediately after opening
- The Salinometer should be standardised before and after every sample run with a new bottle of Standard Seawater. For the highest level of accuracy intermediate standards can be run to monitor drift over time.



Storage: We recommend that Standard Seawater be stored at a temperature between 8-25 °C. It is advisable to avoid extreme of temperature, particularly freezing, as this can lead to precipitation of salts which will not readily dissolve on thawing.

Linearity: As well as the 35 salinity seawater (**P-series**), additional standard seawaters are available with salinities of 38 (**38H-series**), 30 (**30L-series**) and 10 (**10L-series**). These are used in conjunction with normal Standard Seawater (P-series) to provide additional calibration points which can improve accuracy on high and low salinity samples.

Shelf-Life: 36 months from the date of calibration.

About OSIL

Ocean Scientific International Ltd. (OSIL) manufacture data buoys and monitoring systems for use in applications including MetOcean, Dredge, Coastal and Environmental Monitoring.

OSIL are experts in the global supply of sediment corers and grabs from shallow water to full ocean depth use, with a range of sampling volumes available from small grabs to a 42m Giant Piston Corer. All systems are backed up by full in-house support, calibration and servicing of instrumentation.

OSIL are world leading authorities on salinity, operating the IAPSO Standard Seawater Service, and supplying Guildline salinometers worldwide.