Applicability of YSI Photometer Tests for Use in Sea Water

**Note: This table only shows tests that have been evaluated for sea water testing. The applicability of tests not on this list is unknown.

Test	Applicability	Special Instructions or Notations
Alkaphot	Satisfactory	
Alkalinity (Tablet Count)	Satisfactory	
Aluminum	Not suitable for sea water	
Ammonia	Satisfactory	Must use Ammonia Sea Water Conditioning Reagent
Ammonia (Aquarium Type)	Satisfactory	
Calcium Hardness (Tablet Count)	Satisfactory	The sample must be diluted as sea water has a high calcium hardness. (Typically 1,000 mg/L).
Calcicol	Not suitable for sea water	
Chlorine (DPD)	Satisfactory	
Chlorine HR	Not suitable for sea water	
Chloride	Satisfactory	The sample must be diluted as sea water has a high chloride content. (Typically 20,000 mg/L).
Chromium	Satisfactory	
Coppercol	Satisfactory	
Copatest	Satisfactory	
Hardness (Tablet Count)	Satisfactory	The sample must be diluted as sea water has a high hardness. (Typically 6,500 mg/L)
Iron LR	Satisfactory	
Iron MR	Not suitable for sea water	In seawater, test will develop turbidity.
Iron HR	Not suitable for sea water	
Magnesium (Magnecol)	Not suitable for sea water	High salt content precipitates at pH of test.
Molybdate LR	Satisfactory	
Molybdate HR	Satisfactory.	Slight turbidity raises the blank value.
Nickel	Not suitable for sea water	Readings are high due to turbidity.
Nitrate	Satisfactory	The nitratest powder may not settle completely at the end of the shaking period and filtration is recommended after this stage.
Nitrite (Nitricol)	Satisfactory	
pH – Cresol Red	Satisfactory	

Test	Applicability	Special Instructions or Notations
pH – Phenol Red	Satisfactory	
Phosphate LR	Satisfactory	
Phosphate HR	Satisfactory	
Permanganate Value	Satisfactory	
Potassium	Satisfactory	
Silica LR	Not suitable for sea water	Blank reads high due to turbidity.
Sulphate (Turb)	Satisfactory	
Sulphide	Satisfactory	
Zinc	Not suitable for sea water	Test colors are too weak.