

Phosphate

Name of the test	Phosphate
Test Range (ppm)	0 - 1.8
Unit	mg/L
Correlation	0.85
Method	Colorimetric
Calibration point	0 ppm
Time taken	10 minutes
Storage	Keep in a dry and cool place and away from sunlight.
Safety	Avoid contact with skin and use gloves to perform a test.
Shelf Life	6 months from the date of manufacturing.
Limitations	Arsenates react with the molybdate reagent to produce a blue colour similar to that formed with phosphate. Concentrations as low as 0.1 mg/L interfere with the test results. Hexavalent chromium and NO ₂ interfere to give results at about 3% lower at concentrations of 1 mg/L and 10 to 15 % lower at 10 mg/L. Sulphide (Na ₂ S) and silicate do not interfere at concentrations of 1.0 and 10 mg/L.

*Tests to be performed in a well lit ambience with natural light

*These tests do not work with turbid or coloured water samples