

<b>pH and ALKALINITY</b>	
<b>Test Description</b>	Determination of the pH and alkalinity (acid-neutralizing capacity) of water.
<b>Test Use</b>	Useful for treatment of various waters and suitability for a variety of applications.
<b>Test Department</b>	Inorganic Chemistry: Phone 860-920-6666/ 6667 Fax 860-920-6670
<b>Methodology</b>	pH: EPA Method 150.1 Alkalinity: Titration against a standardized acid solution, SM 2320B
<b>Availability</b>	Year-round
<b>Sample Requirements</b>	Unpreserved sample, at least 250 mLs.
<b>Container type /Preservative</b>	Plastic or glass unpreserved container. Samples must be iced on collection and kept at 4°±2°C during transport to the laboratory.
<b>Collection Instructions (Note 1)</b>	For taps, remove aerators and let water run 4-5 minutes. For outdoor locations sampling location should be in accordance with a preapproved quality assurance project plan.
<b>Sample Holding Time &amp; Transport</b>	Samples for pH should be analyzed ASAP. Samples for alkalinity must be analyzed within 14-days from collection.
<b>Unacceptable Conditions</b>	Samples with a preservative and stored for more than 24 hours above 10° C. Incomplete requisition form.
<b>Requisition Form</b>	Use the appropriate Inorganic Chemistry form (Drinking Water, Stream Survey, or Non Potable Water) as appropriate to the type of water collected.
<b>Required Information</b>	Fill out the upper portion of the form completely.
<b>Limitations</b>	Samples not meeting the preservation requirements will have qualified results. Samples received beyond the 14-day holding time will be rejected.
<b>Additional Comments</b>	

Note 1: See *New England States Environmental Sampling Guide*, latest edition.

<https://www.epa.gov/sites/production/files/2015-06/documents/NE-States-Sample-Collection-Manual.pdf>