



What's
your pH?

What is Alkalinity?

Alkalinity is water's ability to neutralize acidity.

Alkalinity in drinking water consists of compounds such as:

- Carbonate
- Bicarbonate
- Hydroxides

These compounds remove hydrogen ions and lower the acidity of the water (thereby increasing pH). They usually do this by combining with the hydrogen ions to make new compounds. Alkalinity is influenced by rocks and soils, salts, certain plant activities, and certain industrial wastewater discharges.



SYMPTOMS: High alkalinity with high hardness can cause scale formation.

APPLICATIONS AFFECTED: All back of house equipment that utilizes water.

For industrial water supplies high alkalinity can be damaging to industries involved in food production, especially those in which acidity accounts for flavor and stability, such as the carbonated beverages.

Sources:

<https://www.epa.gov/sites/default/files/2018-10/documents/quality-criteria-water-1976.pdf>

https://www.epa.gov/sites/default/files/2015-09/documents/2009_03_13_estuaries_monitor_chap11.pdf