

NEXTChem Process Analyzers, Inc.

On-Line Free and Total Alkalinity

Industry: Water/Wastewater, Metal Finishing and Chemical

Sample Filtration is eliminated, in samples with high solids. For samples requiring dilution ≤ 2 mm particles can easily be handled. For non-dilution samples ≤ 6 mm particles pose no problem. No other system can match this rugged design.

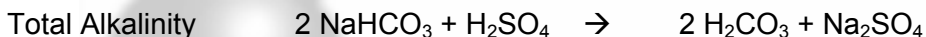
NEXTChem Analyzers can provide accuracy only matched by the most precise laboratory equipment. Our reagent precision pumps deliver titrants with ± 0.001 mL reproducibility. Potentiometric analyses are utilized thus eliminating errors caused by electrode drift.



Analysis of Free and Total Alkalinity

Free and Total Alkalinity is determined by an acid/base titration. The dual inflection analysis is used to determine the concentration of free and total alkalinity.

Reactions:



Reagents:

0.5 N Sulfuric Acid

Sensor:

pH glass Electrode

Detection Limits / Interferences:

Dilution: 175,000 – 35 ppm

Non-Dilution: 333 – 0 ppm (lower detection limit 1 ppm)

Interferences: Other Acids and Bases

nextchem@nextchem-analyzers.com
1900 North Austin Ave., Suite 101 Chicago, IL 60639 USA
Office Phone +773-637-NEXT(6398) Office Fax +773-637-7260