

NEXTChem Process Analyzers, Inc.

On-Line Total/Active/Effective Alkali Analysis (ABC Analysis)

Industry: Pulp and Paper

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

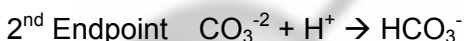
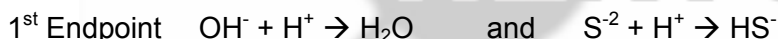
The **OMNIChem Series** Analyzers can provide accuracy only matched by the most precise laboratory equipment. Our reagent precision pumps deliver titrants with ± 0.001 mL reproducibility. Potentiometric analyses are utilized thus eliminating errors caused by electrode drift.



Total/Active/Effective Alkali (ABC Analysis)

Total/Active/Effective Alkali is determined by an acid / base titration. The endpoint is found with a glass pH electrode.

Reactions:



Reagents:

2 N Hydrochloric Acid

Sensor:

Glass pH Electrode

Detection Limits / Interferences:

Dilution: 171,500 – 34 ppm

Non-Dilution: 326 – 0 ppm (lower detection limit 2 ppm)

Interferences: Other Acids / Bases

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