

# **NEXTChem Process Analyzers, Inc.**

## **On-Line Refinery Caustic**

### **Industry: Petrochemical**

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

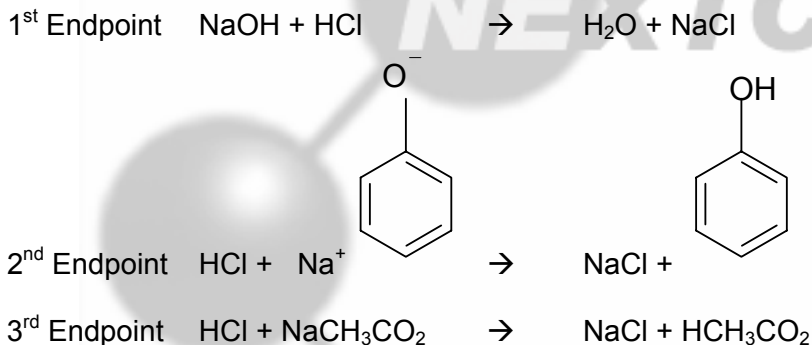
NEXTChem Analyzers can provide accuracy only matched by the most precise laboratory equipment. Our reagent precision pumps deliver titrants with  $\pm 0.001$  mL reproducibility. Potentiometric analyses are utilized thus eliminating errors caused by electrode drift.



### **Analysis of Refinery Caustic**

Refinery Caustic is determined by an acid / base titration. The endpoint is found with a glass pH electrode.

### **Reactions:**



### **Reagents:**

2 N Hydrochloric Acid

### **Sensor:**

120 mm Glass pH Electrode

### **Detection Limits / Interferences:**

Dilution: 140,000 – 28 ppm  
Non-Dilution: 266 – 0 ppm (lower detection limit 1 ppm)  
Interferences: Other 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