

# **NEXTChem Process Analyzers, Inc.**

## **On-Line TMAH**

### **Industry: Semiconductor, and Chemical**

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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 TMAH (Tetramethylammonium Hydroxide)**

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TMAH is determined by an acid/base titration. The signal inflection analysis is used to determine the concentration of free and total acid.

#### **Reactions:**

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#### **Reagents:**

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0.5 N Hydrochloric Acid

#### **Sensor:**

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Glass pH Electrode

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

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Dilution: 266,000 – 53 ppm  
Non-Dilution: 506 – 0 ppm (lower detection limit 3 ppm)  
Interferences: Other Bases

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