

# **NEXTChem Process Analyzers, Inc.**

## ***On-Line Arsenic(III)***

***Industry: Wastewater, Mining and Chemical***

---

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.



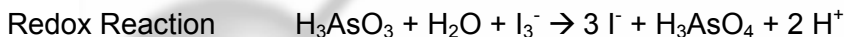
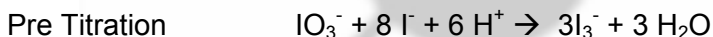
## ***Analysis of Arsenic***

---

The concentration of Arsenic is determined by an iodimetric titration. Iodate is the titrant and the endpoint is determined with an ORP electrode.

### ***Reactions:***

---



### ***Reagents:***

---

0.10 N Iodate-Iodide, 6 N Sulfuric Acid

### ***Sensor:***

---

ORP electrode

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

---

Dilution: 259,000 – 51 ppm

Non-Dilution: 493 – 0 ppm (lower detection limit 2 ppm)

Interferences: Other Redox Agents

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