



MODERNWATER

Solutions for Bottled Water and Beverage Testing

Bottled water is regulated by the FDA, however the issue of contaminants such as arsenic should be tested at the source. Monitoring the incoming source water allows for immediate treatment specific to the levels of arsenic or other contamination coming into the plant.

Modern Water's breadth of technologies has been used extensively by water facilities and industries to test source water intake for early warning of any potential high levels of chemicals, metals or bacteria. These rapid monitoring tools allow plants to make actionable decisions before the water enters the plant or process area.



Modern Water's MicroTrace metal analyzers, Microtox toxicity analyzers and ATP test kits can assist bottling and beverage companies in these areas.

- Brand Protection – monitoring incoming source and final fill water will assure the consumers are getting a product that is safe, thus giving them confidence in the brand
- Avoiding fines and recalls – monitoring and properly treating could save thousands of dollars by preventing products from being released and not meeting standards
- Process Control – understanding the plant process means savings on treatment, filters and other expenses by understanding the specific requirements through on-site testing

CHEMICAL & BIOLOGICAL CONTAMINATION



Microtox LX



Microtox FX

- Biological early warning system sensitive to over 2,700 different chemicals
- LX – laboratory based analyzer for chemical toxicity
- FX – field based analyzer for chemical and biological contamination
- Results available in as little as 15* minutes for the LX and 5* minutes for the FX
- Cost effective and easy to perform tests
- Test results highly correlated with other widely accepted toxicity test methods
- FX is compatible with widely available ATP test kits
- Manufactured in a certified ISO 13485 quality system with 100% lot traceability

*after initial reagent preparation.

TRACE METAL ANALYSIS



MicroTrace PDV

- Utilizes industry accepted Anodic Stripping Voltammetry
- Low level detection of 24 different metals
- Detection below drinking water standard levels for many metals
- Arsenic III and Total Arsenic down to 0.5 ug/L
- OVA7100: on-line instrumentation for 24/7 real time monitoring
- MicroTrace PDV: field or laboratory based analyzer
- Test results correlate with expensive AAS and ICP-MS tests
- Lower cost per sample vs. lab testing



OVA7100



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