

Hach helps world's largest beverage company achieve quality control

Upper Thomson, Singapore

Who is the client?

This beverage company is the world's largest beverage company, refreshing consumers with more than 500 sparkling and still brands. With a history of 128 years of refreshing consumers, they have products sold in over 200 countries. The company is number one worldwide in beverages, with more than 3500 products worldwide.

What is the challenge?

As the world's largest beverage company, client has the strictest water quality monitoring because they strongly believe that highest quality beverages begins with the right water quality.

What is the process and Hach's solution to client?

Requiring accurate determination of parameters such as O₂, and etc., is important for quality control in the beverage industries. Measuring oxygen levels in de-aerated water within soft-drink and bottled water plants are important for beverage companies. Controlling oxygen levels in these applications is important for beverage manufacturers to maximize product shelf-life.

Creating the highest quality beverages begins Hach, as Hach believes that the highest quality beverages begin with the right water quality. Monitoring water quality ensures that your flavor doesn't have seasonal fluctuations due to a changing water supply. Dissolved gas levels can affect both flavor stability and consumer appeal. Monitoring and ensuring the superior quality of your beverage can help you product the best beverage. Accurate O₂ analysis allows the operator to control the process so that the flavor stability of the beverage can be greatly extended.



Figure 1: Hach instruments working in client's plant

Testing for Alkalinity using Hach's APA6000 Alkalinity Analyzer was done at several locations in the production line. High alkalinity neutralizes some of the acidity of soft drinks and could adversely affect the overall taste profile of the beverage.

In the beverage industries, turbidity is a determining factor in the quality of a beverage and serves as acceptance criteria for consumers. It is especially important to continuously control and measure turbidity using Hach 1720E Turbidimeter during production. Testing for Turbidity was done in-line by Hach 1720E Turbidimeter, at critical locations in the production line where the determination for turbidity of beverages is required.

How is the end result?

In summary, Hach offers total solution for client with the solution table for list of instrumentation as follows:

Products	Application Point
Alkalinity: APA6000 Alkalinity Analyzer	Production Line
Turbidity: 1720E Turbidimeter	In-Line

Client's Feedback: Hach helped client in providing them with reliable results and helped control their product quality while minimizing costs and maximizing uptime.

At Hach, our water monitoring instrumentation is the global industry standard for drinking water analysis. Providing you with consistent and reliable results in the lab, in-process and at-line that help you control your product quality, minimize costs and maximizes uptime. The benefits of adopting our solutions; comprehensive analytical checks that help you meet your quality and performance objectives, control your costs with lab & process analytical products, designed specifically for each product step and local beverage team for technical and service support ensures we are always on hand when you need us.

FOR TECHNICAL ASSISTANCE, PRICE INFORMATION AND ORDERING:

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In the interest of improving and updating its equipment, Hach Company reserves the right to alter specifications to equipment at any time.