

HACH WASTEWATER SOLUTIONS FOR FOOD & DAIRY

From farm to factory, producing food is the most water-intensive business on earth.

Abundant, clean water is essential to food processing – as an ingredient, as a way to clean and move raw materials, and as the principal agent used in sanitising plant machinery. Water is becoming an important topic in the food and dairy industry as companies are paying more attention to wastewater management in order to meet stricter regulations, protect their social reputations, and reduce energy consumption. Many multi-national companies have established internal wastewater guidelines requiring all global plants to monitor key wastewater parameters and comply with limits by measuring at set frequencies.

Commonly Controlled Key Wastewater Parameters

The commonly controlled key wastewater parameters are pH, nutrients (such as oxygen demand, phosphate, nitrogen), solids, and total organic carbon. The Hach® solutions below can help food and dairy plants worldwide meet their internal regulations and local compliance requirements.

Parameter / Application	Solutions
pH/DO	HQD Meters & Probes
BOD	BOD Direct Plus/LDO BOD/LCK
COD	DR1900/3900+LT200 or HT200S+LCK
TOC	DR1900/3900+LT200 or HT200S+LCK
Total Suspended Solids	DR3900/DR6000 Spectrophotometers
Total Nitrogen TN/TKN	DR1900/3900+LT200 or HT200S+LCK
Total Phosphorus	DR1900/3900+LT200 or HT200S +LCK
Buffer Capacity	Automatic Titrator



HQD pH Meters & Probes



Automatic Titrator



Spectrophotometer, Chemistries & Thermostat



BOD Analysis



Be Right™

Common Platform for Different Parameters

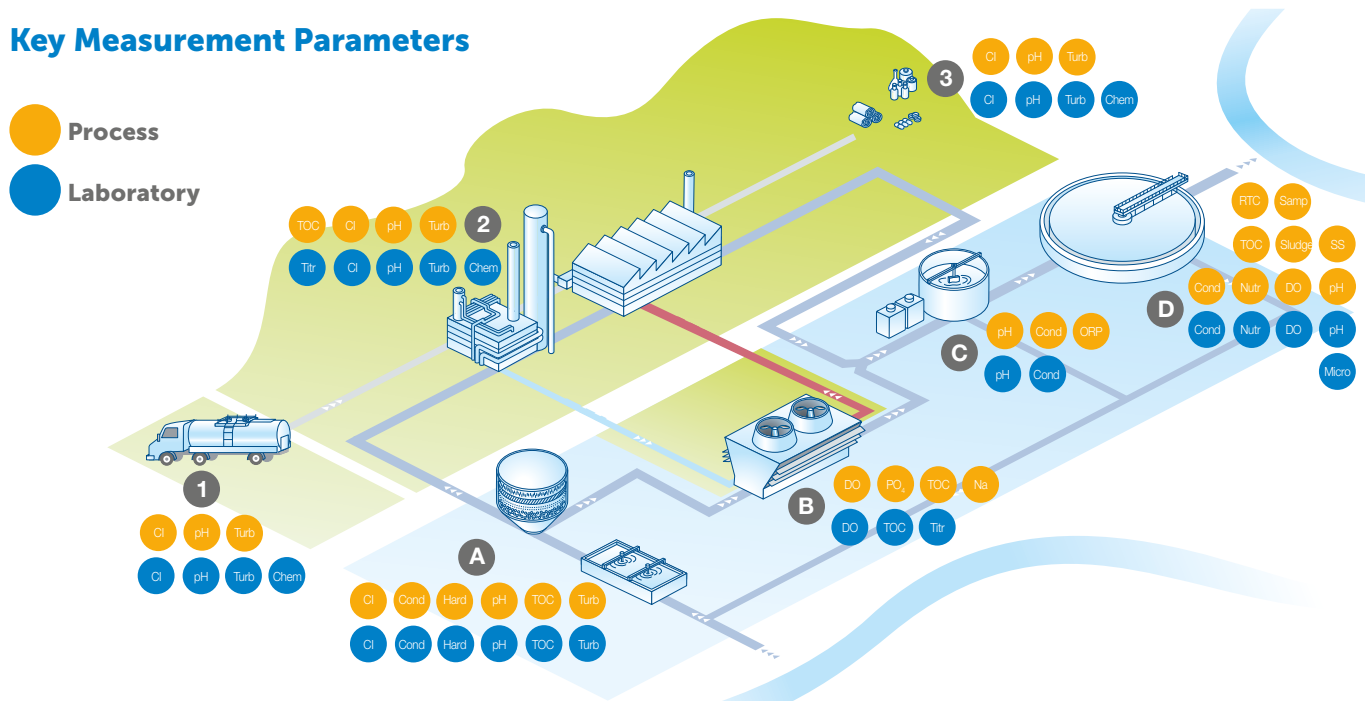
Hach's complete portfolio of laboratory products feature a common platform design for an easy user experience and multi-language support to help customers worldwide master multiple parameter measurements quickly. With expert answers, an outstanding global support network, and reliable, easy-to-use solutions, Hach helps food and dairy customers worldwide comply with internal and external regulations.



Food & Dairy Wastewater Process

Wastewater management is a journey that starts with laboratory measurement then progresses to automatic online process control and then to smart optimisation systems. For more than 70 years, Hach has helped food and dairy customers monitor and treat their wastewater more efficiently.

Key Measurement Parameters



1 Delivery of Stock

2 Production

3 Finished Goods

A Water Conditioning and Pretreatment

B Power Generation and Cooling

C Neutralisation

D Wastewater Treatment



Be Right™