

PROCESS WATER

ANALYSIS OF WATER USED IN MANUFACTURING PROCESSES

Process water is the water used by businesses and industries to either produce a product or, as the name suggests, as part of a process within the business. It is considered to be a by-product of manufacturing. Textile industries, car washes, metal finishing, food processing plants, the mining industry and cooling systems all generate process water.

Process water is often water taken from tap or ground water sources. These sources can contain minerals that cause spotting, streaking, interference with adherence and other issues. The result is a decrease in the quality of the industrial product or a cost increases. To avoid this, process water is often treated before use. Water may also be recycled, requiring treatment and quality testing before its reuse. To ensure proper treatment of the process water, SGS can determine the contents of your drawing water so you can treat it properly, minimizing losses.

At SGS, we conduct rigorous water quality analysis using a broad set of methods to ensure accurate and legally defensible results. We conduct our testing using state-of-the-art instrumentation. This includes:

- Gas chromatography (GC)
- GC-electron capture detector (ECD)
- GC-flame ionization detector (FID)
- GC-mass spectrometry (MS), MS/MS
- Inductively coupled plasma-optical emission spectroscopy (ICP-OES)
- Inductively coupled plasma-mass spectrometry (ICP-MS)
- Atomic absorption
- Ion chromatography
- Classical chemical techniques

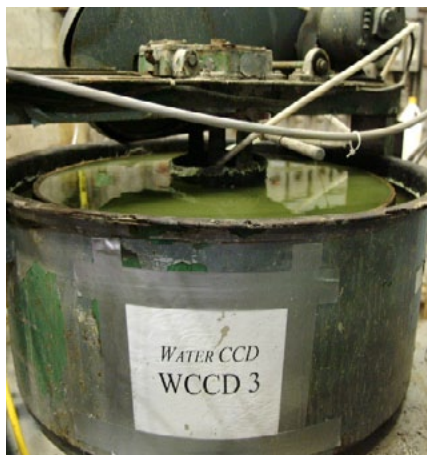


SGS' TESTING PARAMETERS

Our process water testing covers a complete range of tests which are tailored to your needs.

These testing parameters include:

- Bacterial contamination
- Colour, taste and odour
- Turbidity
- Dissolved solids
- Metals
- Organic parameters



REPORTING CAPABILITIES

- Direct data input from the instrument to our Laboratory Information Management System provides a secure data trail, while our unique customer interface "iOnView" gives you immediate online access to approved data.
- Data secure online delivery of PDF reports with spreadsheet data files.
- Capabilities for data upload into client-specific data files.

CUSTOMER SERVICE

At SGS, we deliver prompt and professional services. We understand that every industry has different uses for process water and subsequently different testing needs.

We have committed and experienced staff that will provide you with guidance to help you determine your analytical testing needs. For confidence, quality results and fast turnaround, trust SGS.

CONTACT INFORMATION

Email us at ca.env@sgs.com
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www.environment.sgs.ca/fr-FR/

WHEN YOU NEED TO BE SURE

SGS