

The WaterChek programme has been designed as a multi-purpose service for water chemistry laboratories engaged in research, industry, environmental and public health testing. WaterChek is the preferred programme for more than 100 laboratories across a range of international locations, providing independent verification of test performance across a wide range of tests and sample matrices.



PROGRAMME OBJECTIVE

The monitoring of Potable (drinking) water is important to ensure it is safe for drinking, food manufacture, processing and preparation.

The WaterChek Proficiency Testing scheme has been developed over many years to provide a system for laboratories to validate their testing capability and benchmark their results. Sample preparation has been designed to cover a range of concentrations for major analytes – ensuring sample properties are representative of samples most often tested in participating laboratories.

BENEFITS OF PARTICIPATING IN WATERCHEK

➤ Confidence in Results

Measurement of performance in comparison with other laboratories provides:

- Confidence that Precision and Accuracy of test results are within expected limits
- Confirmation of differences between methods where this may be expected.

➤ Credibility

Test performance can be demonstrated to:

- Customers
- Regulatory Authorities
- Accreditation Agencies

➤ Compliance with

- Laboratory Standards (e.g. ISO 17025)
- Regulatory, environmental and customer requirements

➤ Training

- Test performance from individual analysts can be monitored and reported over time.

PROGRAMME FEATURES

- Comprehensive range of proven sample formats covering a wide range of tests in each round.
- Participation by many accredited laboratories gives high quality, robust data sets with low variation
- Guidance from independent Technical Advisory Group ensures relevance to current industry needs
- Used by MPI (Ministry for Primary Industries), as the provider of Inter-Laboratory Comparison Programmes for the meat and food testing industries

ACCREDITATION

Global Proficiency is accredited to ISO/IEC 17043: Conformity Assessment - General Requirements for the competence of proficiency testing providers; our scope includes the WaterChek Potable Water programme.

AVAILABLE TESTS

Potable Water rounds offering the full suite of tests are available three times per year.

Base (WPB)

Absorbance - filtered (254nm)
 Alkalinity to pH 4.5 (as CaCO₃)
 Ammonia-N
 Boron
 Bromide
 Calcium
 Chloride
 Conductivity @ 25°C
 Fluoride
 Hardness - Total (as CaCO₃)
 Magnesium
 Nitrate-N
 Nitrite-N
 NOx-N
 Nitrogen – Total
 NPOC
 pH @ 25°C
 Phosphorus - Dissolved Reactive
 Phosphorus - Total Dissolved
 Phosphorus - Total
 Potassium
 Silica (as SiO₂)
 Sodium
 Sulphate
 Total Organic Carbon
 Turbidity
Solids Standard (WPS)
 Solids - Total
 Solids - Total Dissolved
 Solids - Total Suspended
 Solids - Volatile and Total Susp

Trace Elements (WPT)

Aluminium
 Antimony
 Arsenic
 Barium
 Bismuth
 Cadmium
 Chromium
 Cobalt
 Copper
 Iron
 Lead
 Lithium
 Manganese
 Mercury
 Molybdenum
 Nickel
 Selenium
 Strontium
 Vanadium
 Zinc

Chlorine WCL

FAC
 Total Chlorine

Colour (WPC)

Global Proficiency also offers two “Basic Chemistry” rounds per year for our customers whose testing requirements are limited to the basic chemistry tests.

AVAILABLE TESTS

Base (WBB)

Conductivity @ 25°C
 pH @ 25°C
 Turbidity
 Solids - Suspended

Chlorine (WCL) (optional)

FAC
 Total Chlorine

FOR MORE INFORMATION, PLEASE VISIT OUR WEBSITE

www.global-proficiency.com

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