

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:**
 - 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 17043:2010 Conformity Assessment - General Requirements for Proficiency Testing; our scope includes the WaterChek programme
- Global Proficiency is also accredited to ISO 17034: General requirements for the competence of Reference Material Producers. For information on the range of Reference Materials offered, please visit our website.

AVAILABLE TESTS

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

Base

Absorbance (254 & 270nm)
Alkalinity to pH 4.5 (as CaCO₃)
Boron
Bromide
Calcium
Chloride
Conductivity @ 25°C
Fluoride
Hardness - Total (as CaCO₃)
Magnesium
Ammonia-N
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 (Base)
Solids - Total
Solids - Dissolved
Solids - Suspended
Solids – Volatile, susp or total

Trace Elements

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

Chlorine

FAC
Total Chlorine

Colour

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

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

Chlorine (optional)

FAC
Total Chlorine

FOR MORE INFORMATION PLEASE VISIT OUR WEBSITE

www.global-proficiency.com

OR EMAIL

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