

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 in 7 countries, 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
- Accredited to ISO/IEC 17043:2010 Conformity Assessment - General Requirements for Proficiency Testing

## AVAILABLE TESTS:

### Base

Absorbance (254 & 270nm)  
Alkalinity to pH 4.5 (as CaCO<sub>3</sub>)  
Boron  
Bromide  
Calcium  
Chloride  
Conductivity @ 25°C  
Fluoride  
Hardness - Total (as CaCO<sub>3</sub>)  
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 SiO<sub>2</sub>)  
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  
Strontium  
Vanadium  
Zinc

### Chlorine

FAC  
Total Chlorine

### Colour

Global Proficiency also offers other WaterChek proficiency programmes including **Effluent Water**, **Sea Water** and **Dis-infection by-products** – please request a copy of the Programme Description if you are interested.

## CONTACT US TO DISCUSS YOUR REQUIREMENTS

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