



THE CHEMISTRY  
SOLUTIONS COMPANY



2025

# PRICING HANDBOOK

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This booklet provides a comprehensive list of our water testing services and their corresponding prices. Find the tests you need to ensure the safety and quality of your water.



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# WELCOME MESSAGE

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## Lesley Mukwada

Director

I'm Lesley Mukwada, Director of The Chemistry Solutions Company. This booklet is designed to provide you with a clear and comprehensive overview of our water testing services and product catalog. We understand the importance of finding the right solutions for clean and safe water. We are committed to providing accurate and reliable water testing, empowering individuals and businesses through education, and offering high-quality products. We believe this booklet will be a valuable resource for you. If you have any questions or require further assistance, please don't hesitate to contact us. Our contact details are listed at the back of this booklet.





A dynamic splash of water in shades of blue and white, creating a sense of movement and freshness. The splash is contained within a white triangular shape that points towards the top left corner of the page.

# ABOUT COMPANY

At The Chemistry Solutions Company, we believe in the power of partnership. We work closely with our clients to understand their unique challenges and develop customized chemical solutions that drive success. Our team of experienced chemists and engineers provides expert guidance and support throughout the entire process, from formulation to implementation. We are committed to building long-term relationships based on trust, collaboration, and mutual benefit.

We are committed to developing sustainable chemical solutions that minimize environmental impact and promote a circular economy. We prioritize the use of renewable resources and environmentally friendly processes in our research and manufacturing. Our products are designed to be safe, effective, and sustainable, helping our clients achieve their own sustainability goals while maintaining high performance.

We leverage our deep scientific expertise and state-of-the-art facilities to create high-performance products that address the evolving needs of our clients. Our commitment to research and development ensures that we remain at the forefront of chemical advancements, delivering sustainable and effective solutions for a better future.



# WATER TESTING

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## Choose the Right Water Testing Package for Your Needs



Ensuring the safety and quality of your water is paramount. Whether you rely on a private well, municipal supply, or simply want peace of mind, understanding your water's composition is the first step. We offer a range of comprehensive water testing packages designed to meet various needs and budgets. Browse the options below to find the perfect fit for you.

## Why Test Your Water?

Regular water testing can identify potential contaminants that may affect your health, the taste and odor of your water, and even damage your plumbing. From naturally occurring minerals to man-made pollutants, knowing what's in your water allows you to take appropriate action to protect yourself and your family.

# WATER SOURCES

## 1. Drinking Water Sources:

- Well Water: Private wells are not regulated like public water systems, so regular testing is essential to ensure safety.
- Tap Water: Even with municipal treatment, testing can reveal issues like lead leaching from pipes or disinfection byproducts.
- Bottled Water: While often perceived as pure, bottled water can have variations in quality depending on the source and treatment.

## 2. Environmental Water:

- Surface Water: Rivers, lakes, and streams can be affected by pollution from various sources, making testing important for environmental monitoring.
- Groundwater: Aquifers and underground sources can be vulnerable to contamination, requiring testing for protection.
- Wastewater: Monitoring treated wastewater is crucial to ensure it meets environmental standards before release.

## 3. Industrial Water:

- Process Water: Industries use water in various processes, and testing helps maintain quality and prevent equipment damage.
- Cooling Water: Testing prevents corrosion and scaling in cooling systems, ensuring efficient operation.
- Boiler Water: Similar to cooling water, testing is vital to prevent issues in boiler systems.

## 4. Other Water Types:

- Swimming Pools/Spas: Regular testing ensures proper sanitation and water balance for bather safety.
- Rainwater: While often considered pure, rainwater can collect pollutants from the air and rooftops.
- Agricultural Water: Testing irrigation water helps ensure crop safety and prevent soil contamination.



# OUR WATER TESTING PACKAGES

## Essential Water Test

**DRINKING | ENVIRONMENT | INDUSTRIAL | RECREATIONAL**

Recommended as an important baseline for water quality testing in any home, building, or facility. It is suitable for all water sources.

While an unaccredited water quality test may not be suitable for legal purposes or official reporting, it can still be a valuable first step in understanding your water. These tests are often more affordable and accessible, providing a quick and general indication of potential issues. They can help you identify areas of concern that warrant further investigation or determine if more comprehensive, accredited testing is necessary. An unaccredited test can be a useful screening tool for personal knowledge and initial assessment, empowering you to take proactive steps to ensure your water's quality.

## SAN 241:2015

**DRINKING | ENVIRONMENT | INDUSTRIAL | RECREATIONAL**

Ensuring the safety and quality of your water is paramount. An accredited water quality test provides reliable and legally defensible results, giving you the confidence to protect your health, family, and property. Accreditation means the testing laboratory adheres to rigorous standards, ensuring accuracy and consistency in their analysis. This is crucial for making informed decisions about water treatment, complying with regulations, and, if necessary, providing evidence in legal matters. Don't leave your water quality to chance – choose an accredited test for peace of mind and actionable insights.

### Considerations

- Purpose of Testing:
  - The type of water and the reason for testing will influence the specific analyses needed.
- Accreditation:
  - If results are needed for legal or regulatory purposes, choose an accredited lab.
- Frequency:
  - Regular testing is recommended, with frequency varying based on the water source and potential risks.







# ESSENTIAL WATER TEST

DRINKING | ENVIRONMENT | INDUSTRIAL | RECREATIONAL

**PURPOSE:**  
SCREENING TEST

## Biological

- E.coli/coliform (qualitative; 48 hrs)

## Physical

- Oxidation-reduction potential (ORP)
- Electrical conductivity (EC)
- Salinity
- Total dissolved solids (TDS)
- Specific gravity (S.G.)

## Chemical

- Aluminium
- Ammonia
- Total Alkalinity
- Bromine
- Residual Chlorine
- Total Chlorine
- Carbonate Root
- Chromium
- Copper
- Cyanuric acid
- Fluoride
- Hardness
- Iron
- Lead
- Manganese
- Mercury
- Nitrate
- Nitrite
- pH
- Phosphate
- Potassium
- Salt
- Sulfate
- Zinc



**48 HOURS**

**R 899.00**



# SAN 241:2015

DRINKING | ENVIRONMENT | INDUSTRIAL | RECREATIONAL

## PURPOSE:

ACCREDITED  
LEGAL  
REGULATORY

### Microbial Properties:

- E. coli
- Total Coliforms
- HPC (Heterotrophic Plate Count) - While not strictly microbial presence, it indicates overall bacterial levels and water quality.

### Physical Properties:

- NTU (Nephelometric Turbidity Units) - Turbidity
- Colour

### Macro Chemical Properties:

- pH
- EC (Electrical Conductivity)
- TDS (Total Dissolved Solids)
- Cl (Chloride)
- SO<sub>4</sub> (Sulfate)
- F (Fluoride)
- NH<sub>3</sub> (Ammonia)
- NO<sub>3</sub> + NO<sub>2</sub> (Nitrate + Nitrite)
- Total Alkalinity
- Ca (Calcium)
- Mg (Magnesium)
- K (Potassium)
- Na (Sodium)
- LSI (Langelier Saturation Index) - While a calculated value, it relates to the macro chemical balance and scaling potential.

### Micro Chemical Properties:

- Al (Aluminum)
- B (Boron)
- Ba (Barium)
- U (Uranium)
- Zn (Zinc)
- Sb (Antimony)
- As (Arsenic)
- Cd (Cadmium)
- Cr (Chromium)
- Co (Cobalt)
- Cu (Copper)
- Fe (Iron)
- Pb (Lead)
- Mn (Manganese)
- Hg (Mercury)
- Ni (Nickel)
- Se (Selenium)
- V (Vanadium)

**5-7 DAYS**

**R 4 200.00**

# COMPARISON

Feature	Essential Water Test	SAN 241:2015
<b>Microbial</b>	E.coli/Coliform (Qualitative; 48 hrs)	E. coli, Total Coliforms, Heterotrophic Plate Count
<b>Physical</b>	ORP, EC, Salinity, TDS, S.G.	NTU (Turbidity), Colour
<b>Macro Chemical</b>	pH, EC, TDS, Total, Alkalinity, Ammonia , Bromine, Carbonate root, Chlorine - Total, Chlorine - Residual, Cyanuric acid , Fluoride, Hardness, Nitrate, Nitrite, Phosphate, Potassium, Salt, Sulfate , Zinc	pH, EC, TDS, Chloride, Sulfate Fluoride, Ammonia, Nitrate + Nitrite, Total Alkalinity, Calcium, Magnesium, Potassium, Sodium, Langelier Saturation Index
<b>Micro Chemical</b>	Aluminium, Total Chromium, Copper, Iron, Lead, Manganese, Mercury	Aluminum, Boron, Barium, Uranium, Zinc, Antimony, Arsenic, Cadmium, Chromium, Cobalt, Copper, Iron, Lead, Manganese, Mercury, Nickel, Selenium, Vanadium
<b>Turnaround Time</b>	48 hrs (for E.coli/Coliform) - Other tests may vary	Varies depending on tests. Typically 5 - 7 working days.
<b>Focus</b>	Drinking Environment Industrial Recreational	Drinking Environment Industrial Recreational
<b>Key Differences</b>	Includes ORP, Bromine, Cyanuric Acid, Carbonate Root, Salt. Qualitative microbial test.	Includes HPC, NTU, Colour, Ca, Mg, K, Na, LSI, B, Ba, U, more Micro Chemical elements. Quantitative microbial testing.



# THE CHEMISTRY SOLUTIONS COMPANY

Thank you for your interest in The Chemistry Solutions Company. We hope this booklet has provided valuable insights into water quality solutions. We're dedicated to providing high-quality services that deliver results. Contact us today to discover how we can help you achieve your goals.

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THE CHEMISTRY  
SOLUTIONS COMPANY



# LET'S WORK TOGETHER

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