



**Puretec**<sup>®</sup>  
PERFECTING WATER

# PURETEC WATER ANALYSIS

A GUIDE ON WHAT YOU NEED TO KNOW ABOUT WATER TESTING.



# DO I NEED A WATER ANALYSIS?



The answer depends on known issues and the source of your water. The four main water sources are:

## **Mains or Towns Water**

An analysis will have already been done by your water provider. Contact your water provider for a typical analysis.

## **Rainwater**

Not typically required. Low pH may be an issue particularly if blue staining is noticed. Identification of most rainwater issues can be done using a basic pool test. Bacteria should be expected and treated accordingly.

## **Ground Water (bore/well)**

Highly variable and independent laboratory testing is required to ensure you get the correct treatment system.

## **Surface Water (river/stream/dam)**

Highly variable and independent laboratory testing is required to ensure you get the correct treatment system.

## What Should I Test For?

Following are typical water analysis parameters categorised by water source. Many more tests are available for an additional cost. This list will identify the most common issues and provide the data needed for selecting a suitable treatment system.

<b>Basic Tests</b>				
	Mains	Ground Water (bore / well)	Surface (river / dam)	Rain
pH	✓	✓	✓	✓
Conductivity	✓	✓	✓	
TDS	✓	✓	✓	✓
Total Hardness	✓	✓	✓	
Total Iron		✓	✓	
Turbidity		✓	✓	
UVT		✓	✓	✓
Silica		✓		
Nitrate		✓	✓	
Manganese		✓	✓	
Copper				✓
Chloride	✓	✓	✓	
Potassium		✓	✓	
Sodium		✓	✓	
Total Alkalinity	✓	✓	✓	
Fluoride		✓	✓	
Total Suspended Solids			✓	
Particle Size Distribution			✓	
Sulphates		✓	✓	
<b>Extended Tests</b>				
Metals Extended Test (incl. lead, arsenic, cadmium, mercury etc.)		✓	✓	
E. coli		✓	✓	✓
Coliforms		✓	✓	✓

## The Benefits of an Independent Water Testing Laboratory

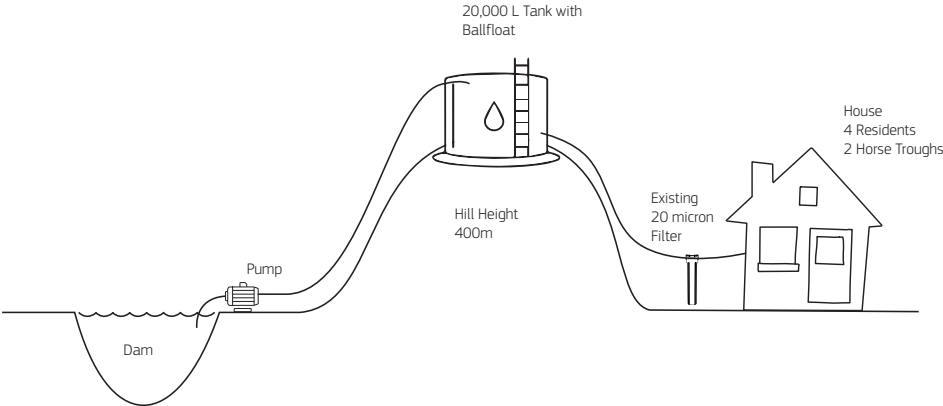
An independent, accredited Laboratory will have state of the art equipment making sure you can get all of the required parameters tested accurately, inexpensively and quickly.

Accredited laboratories work to strict quality standards which means you can rely on accurate and detailed results for making water treatment decisions.

## Procedure for Getting an Analysis

1. Contact your local Laboratory service. For suggested Laboratories for your region on Page 6.
  - a. Inform Laboratory of the Required Tests (they may have 'packages' which work out better than requesting individual parameters).
  - b. Use approved sample containers from the Lab if needed.
  - c. Confirm the price & method of payment.
2. Collect sample in accordance with the procedure on the bottle.
3. Deliver to the Laboratory with the required paperwork immediately.
4. When you receive the analysis report, email this to **watertreat@puretecgroupp.com** for expert evaluation of the results and comprehensive treatment options.
5. Important additional information to be submitted with the analysis report: Your contact details, site address, water source, flow-rate, daily required volume, known water quality issues, desired outcome, existing water pressure & site drawing as per the example on Page 5.

# Site Drawing Example





# ACCREDITED LABORATORIES

The following Laboratories have been selected due to having the best representation in your region. Recommendations for other laboratories can be obtained by contacting your local council or a water provider in your local area.

## Australia

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### ALS Global

[www.alsglobal.com](http://www.alsglobal.com)

Select your location for your nearest site

### Envirolab

[www.envirolab.com.au](http://www.envirolab.com.au)

1300 424 344

## New Zealand

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### Hill Laboratories

[www.hill-laboratories.com](http://www.hill-laboratories.com)

0508 445 552

### Watercare

[www.watercarelabs.co.nz](http://www.watercarelabs.co.nz)

0800 522 365

## Extended Metals Analysis

Some heavy metals can be a concern for health. While health concerns aren't common, some geographic regions and environmental conditions have known issues. If you have known issues or are unsure, an extended metals analysis is recommended.

## Bacteria Testing

If Bacteria testing is required it must be sampled in containers approved/supplied by the laboratory and handled in accordance with their directions.

Samples must be tested within 24 hours. This typically means the samples must be at the lab the **SAME DAY** as they are sampled.

**NOTE:** All water quality results are subject to change. Bacteria, in particular, can change very rapidly, without any taste or visual indications. Puretec recommends the installation of a suitable disinfection system on all untreated water sources.

## Still not sure what to test for?

Contact Puretec on **1300 140 140** (AU) **0800 130 140** (NZ) or [watertreat@puretecgroupp.com](mailto:watertreat@puretecgroupp.com).



AU **1300 140 140** | NZ **0800 130 140**

**watertreat@puretecgroupp.com | puretecgroupp.com**