

# Standard Test Kits



**There are different type of Standard Test Kits they are:**

## 1. Arsenic Test Kit



### Highlights:

- Sensitivity according WHO
- High sensitivity determination
- Easy and safe to use

The arsenic test is due to its high sensitivity suitable for the determination of arsenic in drinking water.

### Advantages:

- Sensitivity is according to the requirements of the WHO for drinking water quality. This test detects 0.005 mg/l Arsenic.
- The removal of the interfering sulfide ions is integrated in the test procedure. To minimize the potential danger for the user of the test kit it doesn't use the highly toxic lead acetate for the sulfide removal.
- A solid acid substance is used in order to avoid any irritation by a corrosive acid on the user's hands.
- The unbreakable plastic reaction vessel is more convenient and safe for on-site testing.
- During the test procedure the reaction vessel is tightly closed. The developing arsine gas cannot escape and therefore does not harm the user.
- The test kit contains a water-proof colour chart which also includes the brief instruction for use in pictograms. Even if there is a lack of knowledge in foreign languages everybody can now handle the test kit.

### Parameter:

Résolution: 0 – 0,005 – 0,01 – 0,025 – 0,05 – 0,1 – 0,25 – 0,5 mg As<sup>3+</sup>/5+/l

### Accessories:

Kit for 100 measurements in case.

### Measuring Range

**0 - 0.5 mg/l As**

## 2. Cutting Fluid

### Highlights:

- Ensures compliance to regional Health and Safety at Work Procedures
- Optimises cutting fluid performance
- Safely controls microbiological contamination
- Optimised for accurate trend analysis

### Applications:

- Boiler Water
- Cooling Water
- Drinking Water Treatment
- Pool Water Control
- Pool Water Treatment
- Waste Water Treatment



## Product type:

Title	Parameter and Range	Part Number
Basic Cutting Fluid Test Kit	0 - 18 % 0 - 500 mg/l $\text{CaCO}_3$ 1 - 80 mg/l $\text{NO}_2^-$ - 10 - 500 mg/l $\text{NO}_3^-$ - pH 0 - 14	56K021401
Delux Cutting Fluid Test Kit	0 - 18 % 0 - 500 mg/l $\text{CaCO}_3$ 1 - 80 mg/l $\text{NO}_2^-$ - 10 - 500 mg/l $\text{NO}_3^-$ - pH 0 - 14	56K021501

## 3. Boiler/Cooling water

Determination of Boiler-, Cooling- and Industrial Process Water

### Highlights:

- Fast quantitative determination
- For testing boiler, cooling and industrial process water
- Suitable for field and laboratory testing
- Cost-effective use due to keenly priced refill packs

Re-circulating cooling water requires carefully chosen chemical treatments. This helps to minimise microbiological contamination, scaling of critical parts such as heat exchangers and to prevent corrosion.

To be most effective, treatments must be maintained within specific control parameters, as excess inhibitor can have as detrimental an affect as too little.

### Applications:

- Boiler Water
- Cooling Water
- Drinking Water Treatment
- Pool Water Control
- Pool Water Treatment
- Waste Water Treatment



## Types:

Title	Parameter and Range	Part Number
ALKALITÄT TEST KIT PM-1	Alkalinity PM-1 (p- + m value), 1 drop = 1 or 0.5 mmol/l	2418501
Boiler Water Test Kit 1	0 - 2400 mg/l $\text{CaCO}_3$ 5 - 60 mg/l $\text{CaCO}_3$ 7 - 14 pH 20 - 12000 mg/l $\text{CaCO}_3$ Sulphite 25 - 150 mg/l $\text{Na}_2\text{SO}_3$	56K000101
Boiler Water Test Kit 2	0 - 2400 mg/l $\text{CaCO}_3$ 5 - 60 mg/l $\text{CaCO}_3$ 20 - 12000 mg/l $\text{CaCO}_3$ Conductivity 0 - 20 ms/cm pH 0 - 14 Phosphate HR T 0 - 80 Sulphite 25 - 150 mg/l $\text{Na}_2\text{SO}_3$ Temperature 0 - 60 ° C	56K000201
CARBONIC ACID TEST KIT CO-2	Carbonic acid, 1 drop = 5 or 2.5 mg/l $\text{CO}_2$	2418518
CHLORIDE TEST KIT CD-1	Chloride LR, 1 drop = 5 or 2.5 Cl-	2418504
CHLORIDE TEST KIT CD-2	Chloride HR, 1 drop = 50 or 25 Cl-	2418506
Cooling Water (Open System) - Test Kit 1	8 - 20 mg/l $\text{CaCO}_3$ Bromine T 0 - 5 mg/l $\text{Br}_2$ Conductivity 0 - 20 ms/cm pH 0 - 14 Temperature 0 - 60 ° C	56K000301
Cooling Water (Open System) - Test Kit 2	5 - 600 mg/l $\text{CaCO}_3$ 5 - 600 mg/l $\text{CaCO}_3$ 20 - 400 mg/l Cl- 50 - 600 mg/l $\text{CaCO}_3$ Bromine T 0 - 5 mg/l $\text{Br}_2$ Conductivity 0 - 20 ms/cm Iron LR T 0.05 - 1 mg/l Fe pH 0 - 14 Phosphonate 4 - 20 mg/l HEDP Temperature 0 - 60 ° C	56K000401
Cooling Water/LPHW/Chilled (Closed System) Test Kit 3	7 - 14 pH 10 - 2000 mg/l $\text{NaNO}_2$	56K000501

## Types:

Title	Parameter and Range	Part Number
Cooling Water/LPHW/Chilled (Closed System) - Test Kit 4	10 - 2000 mg/l $\text{NaNO}_2$ 25 - 400 mg/l $\text{MoO}_4$ Conductivity 0 - 20 ms/cm Iron LR T 0.05 - 1 mg/l Fe pH 0 - 14 Temperature 0 - 60 ° C	56K000601
DEHA TEST KIT	DEHA 0.05 - 1 mg/l DEHA	24157580
Hardness Carbonate-Reagent		2418564
HARDNESS CARBONATE TEST KIT KH-1	Hardness carbonate, 1 drop = 1 or 0.5 °dH	2418513
HARDNESS CARBONATE TEST KIT KH-1	Hardness Carbonate (new version), 1 drop = 1 or 0.5 °dH	2418413
HARDNESS RESIDUAL TEST KIT RH-1	Hardness residual, 1 drop = 0.1 or 0.05 °dH	2418514
HARDNESS-total TEST KIT (°dH)	Hardness Carbonate (new version), 1 drop = 1 or 0.5 °dH	2418411
HARDNESS-total TEST KIT GH-1	Hardness total, 1 drop = 1 or 0.5 °dH	2418511
Iron TEST KIT FE-2	Iron 0.1 - 2 mg/l Fe Iron 0.5 - 8 mg/l Fe	2418440
TEST KIT TOTAL- AND HARDNESS CARBONATE	Hardness Total (new version) + Carbonate GKH-1, 1 drop = 1 or 0.5°dH	2418412
total-PHOSPHATE TEST KIT PO-2	Phosphate (total) 2.5 - 25 mg/l $\text{PO}_4^{3-}$	2418523
ORTHO-PHOSPHAT TEST KIT PO-3	Phosphate (ortho) 2.5 - 25 mg/l $\text{PO}_4^{3-}$	2418544
SULPHTE TEST KIT SUL-1	Sulphite, 1 drop = 5 or 2.5 mg/l $\text{Na}_2\text{SO}_3$	2418532
TEST KIT TOTAL- AND HARDNESS CARBONATE	Hardness Total (new version) + Carbonate GKH-1, 1 drop = 1 or 0.5°dH	2418512

## 4. Laundry

### Highlights:

- Determination of cleaning or treatment chemicals
- Process machinery and surface sanitisation
- Easy-to-use kits for on-site testing
- Obtain results in just seconds

## Applications:

- Boiler Water
- Cooling Water
- Disinfection Control
- Food and Beverage
- Textiles

## Types:

Title	Parameter and Range	Part Number
Acid Products Test Drop Test Kit	0.01 - 5 %	56K002801
Alkalinity Hi/Low Drop Test Kit	0.025 - 6 % NaOH	56K002901
Anionic Drop Test Kit	0 - 1200 mg/l SLS	56K003001
Desinfection (QAC/Cationic) Drop Test Kit	Desinfection (QAC/Cationic) 60 - 1800 mg/l CTAB	56K003101
EDTA/Total Chelant Drop Test Kit	100 - 2000 mg/l EDTA 100 - 2000 mg/l EDTA	56K003201
Oxidising Biocide Drop Test Kit	0 - 6 % $\text{Cl}_2$ 15 - 500 mg/l $\text{C}_2\text{H}_4\text{O}_3$ 15 - 5000 mg/l $\text{H}_2\text{O}_2$	56K003301
Warewashing (Dishwasher) Drop Test Kit	0 - 300 mg/l $\text{CaCO}_3$ 10 - 300 mg/l $\text{CaCO}_3$	56K003401

## 5. Laundry Test Kit

A range of test equipment is available for the commercial laundry engineer to enable quick and efficient testing of key chemical additives throughout the wash cycle.

The multi-parameter Lovibond® test kit contains a specific range of tests for the quantification of commercial laundry cleaning products. A pH meter is also included to enable fast and accurate pH measurement, irrespective of water quality.





## Highlights:

- Tests chemical additives throughout the wash cycle
- Portable kit for on-site testing
- Easy to use with visual, comparative readings
- Reduces chemical additive needs and costs

## Applications:

- Boiler Water
- Cooling Water
- Disinfection Control
- Drinking Water Treatment
- Food and Beverage
- Pool Water Control
- Pool Water Treatment
- Textiles
- Waste Water Treatment

## Range:

Testparameter	Measuring Range
Alkalinity, Free (Rinse)	250 - 6000 mg/l NaOH
Alkalinity, Total (Laundry)	0.25 - 6 % NaOH
Chlorine (Textiles)	
Chlorine Bleach	0.25 - 15 % Cl <sub>2</sub>
Chlorine Bleach (Concentrate)	100 - 2400 mg/l Cl <sub>2</sub>
Hardness	10 - 300 mg/l CaCO <sub>3</sub>
Hydrogen Peroxide test strips	0 - 100 mg/l H <sub>2</sub> O <sub>2</sub>
Iron (Textiles)	mg/l Fe
Oxygen (available)	0 - 500
pH	0 - 14
pH colour scale	4 - 10 pH
Potassium Iodide, Yes/No test strips	

## Siutable Reagents:

Title	Measuring Range	Packaging Unit	Part Number
Alkalinity (P) LR Reagent Pack	250 - 6000 mg/l NaOH	1 pc.	56R004390
Alkalinity (P) HR Reagent Pack	0.25 - 6 % NaOH	1 pc.	56R004190
Chlorine Spot Tester Kit (Disposable)	1 pc.	56K005301	
Chlorine (Total Available) LR+HR Reagent	0.25 - 15 % Cl <sub>2</sub>	1 pc.	56R005690
Iron Spot Tester Reagent Pack	mg/l Fe	1 pc.	56R007490
Hardness Raw Water Reagent Pack	10 - 300 mg/l CaCO <sub>3</sub>	1 pc.	56R006890
Chlorine Starch Iodide Strips	1 pc.	56S000301	
pH (Universal Indikator)	4 - 10 pH	1 pc.	56R008190
Oxygen (Available) Reagent Pack	0 - 500	1 pc.	56R008090
Hydrogen Peroxide Strips	0 - 100 mg/l H <sub>2</sub> O <sub>2</sub>	1 pc.	56S000850

## Accessories:

Title	Part Number
Plastic shaker tube, graduated 100 ml, with lid	385130
Plastic shaker tube, graduated 30 ml, with lid	385132
Syringe, 20 ml, Plastic	56A006501
Syringe 5 ml	56A008501
Einwegspritze Kunststoff, 1 ml	56A013501
Stirring rod and spoon	56A006601
KS6-pH 4 Buffer Solution 65 ml	56L000665
KS9-pH 7 Buffer Solution 65 ml	56L000965
KS3-pH 10 Buffer Solution 65 ml	56L000365

## 6. Standard Test Kits

### Highlights:

- Conforms to regulatory guidelines
- Weekly and monthly testing
- Chlorine and Bromine options
- Easy-to-use, uncompromised accuracy

### Applications:

- Boiler Water
- Cooling Water
- Disinfection Control
- Drinking Water Treatment
- Pool Water Control
- Pool Water Treatment
- Waste Water Treatment

## Product Type:

Title	Parameter and Range	Part Number
L8 Test Kit (weekly)	4.5 - 10 pH Bromine T 0 - 5 mg/l Br <sub>2</sub> Chlorine HR T 0 - 4 mg/l Cl <sub>2</sub> Conductivity 0 - 20 ms/cm	56K000701
L8 Test Kit (Weekly)	4.5 - 10 pH Chlorine HR T 0 - 4 mg/l Cl <sub>2</sub> Conductivity 0 - 20 ms/cm	56K000801
L8 Test Kit (monthly)	5 - 600 mg/l CaCO <sub>3</sub> 5 - 600 mg/l CaCO <sub>3</sub> 20 - 400 mg/l Cl- 50 - 600 mg/l CaCO <sub>3</sub> Bromine T 0 - 5 mg/l Br <sub>2</sub> Chlorine HR T 0 - 4 mg/l Cl <sub>2</sub> Conductivity 0 - 20 ms/cm Iron LR T 0.05 - 1 mg/l Fe pH 0 - 14	56K000901
System Test Kit		56B006101
Field Test Kit		56B006001
Single Test Kit		56B006601
Enterprise Test Kit		56B006501
Swab Test Kit		56B006401

## 6. Standard Test Kits

In many areas of the third world, drinking water quality cannot be relied upon. It is vital to be able to screen water sources for potability to prevent the spread of water borne infection. The World Health Organisation publishes guidelines for drinking water quality. A section of a summary table included as part of these guidelines is given (below) for the maximum tolerable concentration for both chemical and microbiological contaminants. The Lovibond® potable water check test kit enables an effective screen of water supplies for these key indicators of faecal and agricultural contamination to help in the assessment of general quality and potability.

The tests are simple to use and no operator training is required. However, it is important that the operator carries out all tests in a precise and competent manner, with due consideration for cleanliness at all times. Tests have been carefully chosen so that they can be used in the more rural global locations, where access to laboratory facilities is limited.





## Highlights:

- Enables compliance to WHO guidelines
- Integrated kit to test all required parameters
- Easy-to-follow testing process: no training required
- Suitable for use in rural communities without access to laboratories

## Applications:

- Boiler Water
- Cooling Water
- Disaster Management
- Drinking Water Treatment

## Range:

Testparameter	Measuring Range
	0 - 10 mg/l NO <sub>2</sub> -
	0 - 100
	0 - 500 mg/l CaCO <sub>3</sub>
	0 - 500 mg/l NO <sub>3</sub> -
	4.5 - 10 pH
TDS Total Dissolved Solids	0 - 5000 mg/l TDS

## Siutable Reagents:

Title	Measuring Range	Packaging Unit	Part Number
Arsenic Colour Card Strips	0 - 100	1 pc.	56S002105
Coliform/E.Coli Test Set		1 pc.	56B002125
Hardness Total Strips	0 - 500 mg/l CaCO <sub>3</sub>	1 pc.	56S000950
Nitrate/Nitrite Strips	0 - 10 mg/l NO <sub>2</sub> -	1 pc.	56S001890
pH Strips pH 4.5-10 Plastic	4.5 - 10 pH	100 pc.	56S001090

## Accessories:

Title	Part Number
UV Lamp Battery Pack (4)	56A019301
Coliform/E.Coli Test Set	56B002125

## 8. Standard Test Kits

### Highlights:

- Brix and Glycol
- Convenient, fast, accurate
- No mess, instant results
- Automatic temperature compensation
- No need to measure temperature
- No need for compensation

The Lovibond® Brix and Glycol series of refractometers are convenient, fast and accurate and offer no-mess, instant results. They provide automatic temperature compensation and direct readings of freeze points and concentration (Ethylene Glycol & Propylene Glycol).

### Applications:

- Cooling Water

### Product Type:

Title	Parameter and Range	Part Number
0-10 % Brix Refractometer	0 - 10 %	56M000101
0-18 % Brix Refractometer	0 - 18 %	56M000201
0-32 % Brix Refractometer	0 - 32 %	56M000301
Glycol Refractometer		56M000401

## 9. Resin

### Highlights:

- Detects resin damaging iron (ferric) and colloidal organic matter
- Portable solutions for in-situ testing
- Increased efficiency, reduced operational costs
- Optional resin conversion kit

### Product Type:

Title	Parameter and Range	Part Number
Resin Fouling Test Kit		56K002001
Resin Capacity Test Kit		56K002101

## 10. Silt Density Index (SDI) Test Test Kit

The Silt Density Index (SDI) is a measure of the solids or particulate content of water and is of specific importance when commissioning reverse osmosis plant. The SDI of the feed-water is required to calculate membrane fouling time, backwash frequency and, ultimately, membrane lifespan. The Lovibond® test kit gives the RO engineer instant SDI values, increasing the speed and effectiveness of the installation.

The kit utilises a membrane/flow meter system to enable SDI calculations in just 15 minutes. Sufficient membranes included for 100 tests.

### Highlights:

- SDI calculations in just 15 minutes
- Ideally suited for reverse osmosis plants
- Enables calculation of membrane fouling time, backwash frequency and membrane lifespan

### Product Accessories:

Title	Part Number
0.45 Pore Filter Circles 47 mm	56A007690
On/Off Valve	56A007201
Pressure Regulator	56A007301
Pressure Gauge	56A007401
Filter Holder 47 mm	56A007701
High Pressure Hose 1 m	56A007501



## 11. Deluxe Softener Demo Kit

### Highlights:

- Compares physical and chemical attributes
- Compares softened water to raw water
- Shows water softening process

Designed for demonstration purposes, these text kits contain a range of tests to show the physical and chemical attributes of softened water compared to raw mains water. A mini-softener unit is included to show the water softening process.

### Delivery Contant:

- Equipment for tests (flasks, tubes etc.)
- Hardness level (as calcium carbonate)
- Calcium precipitation test
- Soap test
- Additional Tests for (Chlorine, Nitrite, Nitrate, Total Hardness)