

Tintometer®-Group

Lovibond® Comparator System 2000+



**The system for
colorimetric water
analysis**

With its accessories, the Lovibond® Comparator System 2000+ is an extremely versatile and precise colorimetric water testing system. It offers ease of use yet is uncompromising in terms of the precision and reproducibility of results. It is compact and portable, making it equally suitable for on-site and laboratory use. Colour matching is made easier by the integrated prism, which brings the glass standards of the test discs and the coloured sample into the same field of view.

The flexible cell holder allows for rapid adjustment, and can hold cells with path lengths from 1 mm to 40 mm.



Comparator 2000+ (front view)

Test discs

More than 400 different test discs are available for colorimetric water analysis. Every test disc is fitted with guaranteed colour-stable, non-fading glass filters. Please see the table on page 24 for information on the various test discs or refer to our **L 213 test disc catalogue**.



Test disc with colour-stable glass standards

Lighting unit

We recommend the use of a Lovibond® lighting unit in buildings due to the changing light conditions (daylight/artificial light). This guarantees uniform lighting conditions regardless of the environment. Lovibond® lighting units are available as a battery operated unit for portable use and as the daylight lamp "2000" for use in the laboratory.



Battery operated portable lighting unit TK 102

Cells

At our plant, we manufacture precision optical glass cells for use in colorimetry in line with the highest quality standards with path lengths of 1 to 40 mm. In combination with a lighting unit, these cells ensure high precision and reproducibility of results.



Comparator 2000+ with 2 x 40 mm cells (rear view)

Applications

Water Treatment
(e.g. Drinking Water)

Pools

Research Centres

Universities

Special Applications

Laboratory and
Field Testing

Advantages

- More than 400 different test discs are available
- Compensation for coloured and turbid samples
- Cell holder for cells with path lengths up to 40 mm
- Guaranteed constancy of the coloured glass standards
- Integrated prism
- Test discs are easily changed without opening the comparator



Nessleriser 2150 with daylight 2000 lighting unit

Order codes see page 25

TESTPAK

Ideal add-on for the Comparator System 2000+

For the most popular tests, discs are available in a Lovibond® TESTPAK. The TESTPAK is a simple and cost-effective means of extending the use of an existing Comparator instrument to a new test parameter.

Each TESTPAK contains the required test disc, tablet reagents (normally for 100 tests), cells and accessories as well as detailed instructions for the desired method.

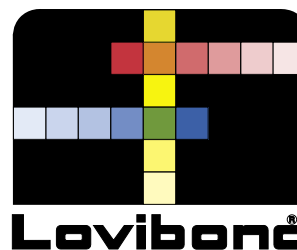
Please contact our sales departments for further information: sales@tintometer.de



TESTPAK with test disc, tablet reagents, cells, accessories and instructions

Test	Disc	Range*	Code
Aluminium	3/127 A	0 – 0.5 mg/l	73 02 05
Ammonia	3/112	0 – 0.4 mg/l NH ₄	73 00 60
	3/113	0 – 1.0 mg/l N	73 00 70
	3/125	0 – 10.0 mg/l N	73 01 80
Bromine	3/53 A	0.2 – 2.0 mg/l	73 53 10
	3/53 B	1.0 – 10.0 mg/l	73 53 20
	3/53 C	0.5 – 6.0 mg/l	73 53 30
Chlorine (free, combined, total)	3/40 A	0.1 – 1.0 mg/l	73 40 10
	3/40 B	0.2 – 4.0 mg/l	73 40 20
	3/40 HN	2.0 – 10.0 mg/l	73 40 80
	3/40 J	0.1 – 2.0 mg/l	73 41 40
	3/40 K	0.5 – 6.0 mg/l	73 39 30
	3/40 P	2.0 – 5.0 mg/l	73 39 20
	3/40 S	1.0 – 4.0 mg/l	73 40 90
Chlorine Dioxide	3/40 ED	0.04 – 0.57 mg/l	73 40 65
	3/40 FD	0.38 – 1.52 mg/l	73 40 75
Copper	3/106	0 – 1.0 mg/l	73 00 50
	3/110	0.05 – 4.0 mg/l	73 00 40
	3/149	0.5 – 5.0 mg/l	73 04 50
Hydrogen Peroxide, DPD	3/50 E	0.01 – 0.15 mg/l	73 50 20
	DPD	0.05 – 0.5 mg/l	73 50 00
	DPD	0.1 – 3.0 mg/l	73 50 10
	Potassium iodide	2.0 – 20.0 mg/l	73 00 80
	Potassium iodide	1 0.0 – 100.0 mg/l	73 00 90
Iron	3/116	0.1 – 1.0 mg/l	73 01 00
	3/117	1.0 – 10.0 mg/l	73 01 10
Nitrate	3/124	0.1 – 1.0 mg/l	73 01 70
Nitrite	3/103	0.05 – 0.5 mg/l	73 00 30
Ozone	DPD	0.01 – 0.1 mg/l	73 67 10
	DPD	0.1 – 1.0 mg/l	73 67 00
	Indigo	0 – 0.5 mg/l	73 04 40
pH-value	2/1 G	5.2 – 6.8	72 11 00
	2/1 J	6.8 – 8.4	72 11 30
	2/1 L	8.0 – 9.6	72 11 90
QAC (Quaternary Ammonium Compounds)	3/118	2.0 – 20.0 mg/l	73 01 20
	3/119	20.0 – 200.0 mg/l	73 01 30
Sodium Hypochlorite	3/2 Hypo	2 – 16 %	73 21 10
Zinc	3/151	0.1 – 1.0 mg/l	73 04 70

* Disc readings see page 24



Comparator Test Kits

Complete kits for water analysis

Scope of delivery for standard kits

Comparator test kits are supplied as a complete system in a sturdy plastic case. Together with the Comparator 2000+ and test discs, each kit includes all the necessary cells, accessories and Lovibond® tablet reagents (for 100 measurements) to achieve reliable results.

The table to the right shows a selection of the most popular standard test kits.

Customised equipment

In addition to supplying standard test kits, we can construct customised kits to suit individual requirements.

Based on the desired test parameters and measuring ranges we will draw up a detailed offer to suit your application.

Optional accessory

All test kit versions allow integration of the battery-operated portable lighting unit TK 102 and charger TK 102/1.

Operating instructions

The operating instructions provide a step-by-step explanation of how to conduct the water test, ensuring that even "non-chemists" can achieve reliable and accurate measurements in the minimum of time.



Example of a comparator test kit, together with portable daylight unit and charger (optional extras)

Type	Designation/Combi	Test	Range*	Code
AF 270	Mini Lab Pool Water	Aluminium Ammonia Chlorine Chloride Cyanuric acid Iron pH-value Total Alkalinity Sulphate	0 - 0.5 mg/l Al 0 - 0.4 mg/l N 0.1 - 1.0 mg/l Cl ₂ 1.0 - 4.0 mg/l Cl ₂ 5 - 5000 mg/l 0 - 80 mg/l 0.1 - 1.0 mg/l 5.2 - 6.8 pH 6.8 - 8.4 pH 20 - 800 mg/l CaCO ₃ 40 - 4000 mg/l	41 27 00

AF 357	Drinking Water	Chloride (salinity) Chlorine Hardness Total Fluoride Hazen Colour pH-value	0 - 5000 mg/l Cl 0.02 - 0.3 mg/l Cl ₂ 0.2 - 4 mg/l Cl ₂ 0 - 500 mg/l CaCO ₃ 0 - 1.6 mg/l F 10 - 90 mg Pt/l 6 - 8.4	41 35 70
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AF 358	Sewage and Domestic Effluents	Ammonia Chlorine Nitrite Permanganate (BOD) pH-value Sulphide	0 - 1 mg/l N 0.1 - 1 mg/l Cl ₂ 1 - 10 mg/l Cl ₂ 0.05 - 0.5 mg/l N 0 - 60 mg/l 4 - 8 ; 8 - 9.6 0 - 0.5 mg/l S	41 35 80
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AF 368	Mini Lab Heavy Metals	Chromium Copper Cyanide Nickel Zinc	10 - 100 µg Cr 2.5 - 50 µg Cu 0.05 - 1 mg/l Cn 1 - 10 mg/l Ni 0 - 50 µg Zn	41 36 80
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Type	Designation/Single	Test	Range*	Code
AF 274	Amine	Amine	1 - 10 mg/l	41 27 40

AF 112A	Chlorine free, comb. tot.	Chlorine	0.1 - 1 mg/l Cl ₂	41 11 20
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AF 112B	Chlorine free, comb. tot.	Chlorine	0.2 - 4 mg/l Cl ₂	41 11 30
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AF 112E	Chlorine free, comb. tot.	Chlorine	0.02 - 0.3 mg/l Cl ₂	41 12 50
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AF 112E/F	Chlorine free, comb. tot.	Chlorine Chlorine	0.02 - 0.3 mg/l Cl ₂ 0.2 - 0.8 mg/l Cl ₂	41 11 26
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AF 112J/J	Chlorine free, comb. tot.	Chlorine pH-value	0.1 - 2.0 mg/l Cl ₂ 6.8 - 8.4 pH	41 72 46
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AF 112N/T	Chlorine free, comb. tot.	Chlorine Chlorine	0.1 - 1.0 mg/l Cl ₂ 1.1 - 2.0 mg/l Cl ₂	41 01 20
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AF 112ED	Chlorine dioxide	Chlorine dioxide	0.04 - 0.57 mg/l ClO ₂	41 00 01
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AF 112 EF/ED	Chlorine dioxide	Chlorine dioxide	0.04 - 1.52 mg/l ClO ₂	41 00 07
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AF 116A	Chlorine, pH	Chlorine pH-value	0.1 - 1 mg/l Cl ₂ 6.8 - 8.4 pH	41 11 40
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AF 116	Chlorine, pH	Chlorine pH-value	0.2 - 4 mg/l Cl ₂ 6.8 - 8.4 pH	41 11 60
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AF 118S	Chlorine, pH	Chlorine pH-value	0.1 - 4 mg/l Cl ₂ 5.2 - 8.4 pH	41 11 81
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AF 139	Sodium hypochlorite	Sodium hypochlorite	2 - 16 %	41 13 90
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AF 129	Water Balance			41 12 90
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* Disc readings see page 24

Test Discs, Reagents and Accessories for Certificates of conformity for Lovibond® test discs are available

Test	Disc	Disc Readings	Range	Code
Aluminium	3/127 A	0; 0.05; 0.1; 0.15; 0.2; 0.25; 0.3; 0.4; 0.5 mg/l	0 - 0.5 mg/l	23 02 05
Amine	3/58	1; 2; 3; 4; 5; 6; 7; 8; 10 mg/l	1.0 - 10 mg/l	23 58 00
	3/64	0; 0.25; 0.5; 1; 2 mg/l	0 - 2 mg/l	23 64 00
Ammonia	3/112	0; 0.05; 0.1; 0.15; 0.2; 0.25; 0.3; 0.35; 0.4 mg/l	0 - 0.4 mg/l NH ₄	23 00 60
	3/113	0; 0.1; 0.2; 0.3; 0.4; 0.5; 0.6; 0.8; 1 mg/l	0 - 1.0 mg/l N	23 00 70
	3/125	0; 1; 2; 3; 4; 5; 6; 8; 10 mg/l	0 - 10 mg/l N	23 01 80
	NAA	1; 2; 3; 4; 5; 6; 8; 10 µg	1 - 10 µg NH ₃	28 31 10
	NAB	10; 12; 14; 16; 18; 20; 22; 24; 26 µg	10 - 26 µg NH ₃	28 31 20
	NAC	28; 32; 36; 40; 44; 48; 52; 56; 60 µg	28 - 60 µg NH ₃	28 31 30
	NAD	60; 65; 70; 75; 80; 85; 90; 95; 100 µg	60 - 100 µg NH ₃	28 31 40

Comparator 2000+ and Accessories

Type	Item	Code
TK 100	Lovibond® Comparator 2000+	14 20 00
TK 102	Portable lighting unit, battery operated	14 20 50
2000	Daylight 2000 lighting unit, illuminant standardised	17 20 00
AF 631	Water sampler with 500 ml bottle and lid	17 05 00
DB 424/S	Glass cell, 13.5 mm path length, with lid (5 pc.)	35 42 43
	Plastic cell, 13.5 mm path length, with lid (10 pc.)	14 55 00
	Plastic cell, 13.5 mm path length, with lid (100 pc.)	14 55 10
	Extraction tube AF 260	35 26 00
DB 426	Cell stand for 10 cells	17 02 60
	Glass stirring rod 10 cm length	36 41 10
	Plastic stirring rod 13 cm length	36 41 00
	Brush 11 cm length	38 02 30



Comparator System 2000+

on request

Reagents	Quantity	Code	Accessories	Code
ALUMINIUM No.1	100	51 54 60	13.5 mm cell, 10ml	35 42 43
	250	51 54 61		
ALUMINIUM No.2	100	51 54 70		
	250	51 54 71		
AMINE	100	51 10 10	Extraction tube AF260	35 26 00
	250	51 10 11		
Details on request			13.5 mm cell, 10ml	35 42 43
AMMONIA No.1	100	51 25 80	40 mm cell W680/40	60 68 90
	250	51 25 81		
AMMONIA No.2	100	51 25 90		
	250	51 25 91		
AMMONIA No.1/2			13.5 mm cell, 10ml	35 42 43
AMMONIA No.1/2			5 mm cell W680	60 67 90
NESSLER reagent	30 ml	46 52 00	Nessler tubes 113 mm	35 30 60
	100 ml	46 52 01		
SEIGNETTE salt solution	100 ml	46 61 01		
NESSLER reagent SEIGNETTE salt solution			Nessler tubes 113 mm	35 30 60
NESSLER reagent SEIGNETTE salt solution			Nessler tubes 113 mm	35 30 60
NESSLER reagent SEIGNETTE salt solution			Nessler tubes 113 mm	35 30 60

Material Safety Data Sheets: www.tintometer.com

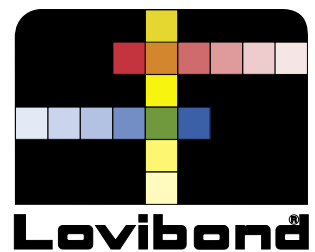
Nessleriser System and Accessories

Type	Item	Code
2150	Nessleriser 2150 with stand, daylight unit and AF 306/P	17 20 30
2150	Nessleriser 2150 with stand	17 21 50
2150	Nessleriser 2150 upgrade kit	17 21 60
2250	Nessleriser 2250 with stand, daylight unit and DB 420	17 20 40
2250	Nessleriser 2250 with stand	17 22 50
2250	Nessleriser 2250 upgrade kit with Nessler tubes DB 420	17 21 70
2000	Daylight 2000 lighting unit	17 20 00
	Stand for Nessleriser upgrade kit	17 21 80
AF 306/S	Stand for 12 Nessler tubes	17 02 90
AF 306	Pair Nessler tubes, 113 mm	35 30 60
AF 306/P	Pair Nessler tubes, 113 mm with plungers	35 30 80
	Plunger for Nessler tube AF 306 and AF 306/P	35 30 70
DB 420	Pair Nessler tubes, 250 mm with plungers	35 42 00
	Plunger for Nessler tube DB 420	35 42 29
AF 315	Special Nessler tube (determination of oxygen with disc NOE)	35 31 50



Test Discs, Reagents and Accessories for Certificates of conformity for Lovibond® test discs are available

Test	Disc	Disc Readings	Range	Code
Bromine	3/53A	0.2; 0.4; 0.6; 0.8; 1; 1.2; 1.4; 1.6; 2 mg/l	0.2 - 2.0 mg/l	23 53 10
	3/53B	1; 2; 3; 4; 5; 6; 7; 8; 10 mg/l	1.0 - 10 mg/l	23 53 20
	3/53C	0.5; 1; 1.5; 2; 2.5; 3; 4; 5; 6 mg/l	0.5 - 6 mg/l	23 53 30
Chlorine free, combined, total	3/40E	0.02; 0.04; 0.06; 0.08; 0.1; 0.15; 0.2; 0.25; 0.3 mg/l	0.02 - 0.3 mg/l	23 40 60
		0.02; 0.04; 0.06; 0.08; 0.1; 0.2; 0.3; 0.4; 0.5 mg/l	0.02 - 0.5 mg/l	29 59 20
	3/40F	0.2; 0.25; 0.3; 0.35; 0.4; 0.5; 0.6; 0.7; 0.8 mg/l	0.2 - 0.8 mg/l	23 40 70
	3/40G	1.5; 1.8; 2.0; 2.3; 2.5; 2.7; 3.0; 3.2; 3.5 mg/l	1.5 - 3.5 mg/l	23 40 30
	3/40A	0.1; 0.2; 0.3; 0.4; 0.5; 0.6; 0.7; 0.8; 1 mg/l	0.1 - 1.0 mg/l	23 40 10
	3/40T	0.1; 0.2; 0.3; 0.4; 0.5; 0.6; 0.7; 0.8; 1 mg/l	0.1 - 1.0 mg/l	23 41 10
	3/40N	1.1; 1.2; 1.3; 1.4; 1.5; 1.6; 1.7; 1.8; 2 mg/l	1.1 - 2.0 mg/l	23 39 60
	3/40J	0.1; 0.2; 0.3; 0.4; 0.6; 0.8; 1; 1.5; 2 mg/l	0.1 - 2.0 mg/l	23 41 40
	3/40B	0.2; 0.4; 0.6; 1; 1.5; 2; 2.5; 3; 4 mg/l	0.2 - 4.0 mg/l	23 40 20
	3/40K	0.5; 1; 1.5; 2; 2.5; 3; 4; 5; 6 mg/l	0.5 - 6.0 mg/l	23 39 30
	3/40S	1; 1.2; 1.4; 1.6; 1.8; 2; 2.5; 3; 4 mg/l	1.0 - 4.0 mg/l	23 40 90
	3/40P	2; 2.3; 2.5; 2.7; 3; 3.2; 3.6; 4; 5 mg/l	2.0 - 5.0 mg/l	23 39 20
	3/40HN	2; 3; 4; 5; 6; 7; 8; 9; 10 mg/l	2.0 - 10 mg/l	23 40 81
	3/40CZ	0.5; 1; 1.5; 2; 4 mg/l Cl ₂ 7; 7.4; 7.6; 8 pH	0.5 - 4 mg/l Cl ₂ 7 - 8 pH	23 39 90
	3/2A	0.1; 0.2; 0.3; 0.4; 0.5; 0.6; 0.7; 0.8; 1 mg/l	0.1 - 1.0 mg/l	23 20 10
	3/2AB	0.15; 0.25; 0.5; 0.75; 1; 1.25; 1.5; 1.75; 2 mg/l	0.15 - 2.0 mg/l	23 20 20
	3/2APC	1; 1.5; 2; 2.5; 3; 3.5; 4; 4.5; 5 mg/l	1.0 - 5.0 mg/l	23 20 50



Comparator System 2000+

on request

Reagents	Quantity	Code	Accessories	Code
DPD No.1	100	51 10 60	13.5 mm cell, 10ml	35 42 43
	250	51 10 61		
	500	51 10 62		
DPD No.1			13.5 mm cell, 10ml	35 42 43
DPD No.1			13.5 mm cell, 10ml	35 42 43
DPD No.1	100	51 10 60	40 mm cell W680/40	60 68 90
	250	51 10 61		
	500	51 10 62		
DPD No.2	100	51 15 30		
	250	51 15 31		
	500	51 15 32		
DPD No.3	100	51 10 80		
	250	51 10 81		
	500	51 10 82		
DPD No.4	100	51 12 20		
	250	51 12 21		
	500	51 12 22		
DPD No.1/2/3/4			40 mm cell W680/40	60 68 90
DPD No.1/2/3/4			40 mm cell W680/40	60 68 90
DPD No.1/2/3/4			13.5 mm cell, 10ml	35 42 43
DPD No.1/2/3/4			13.5 mm cell, 10ml	35 42 43
DPD No.1/2/3/4			25 mm cell W680/25	60 68 60
			13.5 mm cell, 10ml	35 42 43
DPD No.1/2/3/4			25 mm cell W680/25	60 68 60
			13.5 mm cell, 10ml	35 42 43
DPD No.1/2/3/4			13.5 mm cell, 10ml	35 42 43
DPD No.1/2/3/4			13.5 mm cell, 10ml	35 42 43
DPD No.1/2/3/4			13.5 mm cell, 10ml	35 42 43
DPD No.1/2/3/4			13.5 mm cell, 10ml	35 42 43
DPD No.1/2/3/4			13.5 mm cell, 10ml	35 42 43
DPD No.1/2/3/4			5 mm cell W680/5	60 67 90
DPD No.1/2/3/4			13.5 mm cell 10ml	35 42 43
		Phenol red tablets, see pH determination	13.5 mm cell 10ml	35 42 43
Reagents at specialized chemistry dealer			13.5 mm cell 10ml	35 42 43
Reagents at specialized chemistry dealer			13.5 mm cell 10ml	35 42 43
Reagents at specialized chemistry dealer			5 mm cell W680/5	60 67 90



Test Discs, Reagents and Accessories for Certificates of conformity for Lovibond® test discs are available

Test	Disc	Disc Readings	Range	Code
Chlorine HR total chlorine only	3/2APH	2; 3; 4; 5; 6; 7; 8; 9; 10 mg/l total Cl ₂	2 - 10 mg/l	23 20 60
	3/2ARP	5; 10; 15; 20; 25; 30; 35; 40; 50 mg/l total Cl ₂	5.0 - 50 mg/l	23 20 70
	3/2IOD	5; 10; 25; 50; 75; 100; 150; 200; 250 mg/l total Cl ₂	5.0 - 250 mg/l	23 20 90
Chlorine free, combined, total	NDPB	0.01; 0.02; 0.03; 0.04; 0.05; 0.06; 0.07; 0.08; 0.1 mg/l	0.01 - 0.1 mg/l	28 34 50
	NDPC	0.02; 0.04; 0.06; 0.08; 0.1; 0.12; 0.14; 0.16; 0.2 mg/l	0.02 - 0.2 mg/l	28 34 60
	NDP	0.05; 0.1; 0.15; 0.2; 0.25; 0.3; 0.35; 0.4; 0.5 mg/l	0.05 - 0.5 mg/l	28 34 40
	NDPD	0.1; 0.2; 0.3; 0.4; 0.5; 0.6; 0.7; 0.8; 1 mg/l	0.1 - 1.0 mg/l	28 34 70
Chlorine dioxide	3/40AD	0.19; 0.38; 0.57; 0.76; 0.95; 1.14; 1.33; 1.52; 1.9 mg/l	0.19 - 1.9 mg/l	29 22 60
	3/40ED	0.04; 0.08; 0.11; 0.15; 0.19; 0.28; 0.38; 0.48; 0.57 mg/l	0.04 - 0.57 mg/l	29 79 70
	3/40FD	0.38; 0.48; 0.57; 0.66; 0.76; 0.95; 1.14; 1.33; 1.52 mg/l	0.38 - 1.52 mg/l	29 87 50
	3/157	0.25; 0.5; 0.75; 1; 1.25; 1.5; 2; 3; 5 mg/l	0.25 - 5.0 mg/l	23 05 70
Chromium	3/59	10; 20; 30; 40; 50; 60; 70; 80; 100 µg	10 - 100 µg	23 59 00
Copper	3/106	0; 0.1; 0.2; 0.3; 0.4; 0.5; 0.6; 0.8; 1 mg/l	0 - 1.0 mg/l	23 00 50
	3/110	0; 0.5; 1; 1.5; 2; 2.5; 3; 3.5; 4 mg/l	0 - 4.0 mg/l	23 00 40
DEHA	3/150	8; 16; 24; 32; 40; 48; 56; 64; 80 µg/l Disc reading should be multiplied by 2 for true DEHA concentration	16 - 160 µg	23 04 60

Comparator System 2000+

on request

Reagents	Quantity	Code	Accessories	Code
CHLORINE HR (KI)	100	51 30 00	40 mm cell W680/40	60 68 90
	250	51 30 01		
ACIDIFYING GP	100	51 54 80		
	250	51 54 81		
CHLORINE HR (KI)	100	51 30 00	13.5 mm cell 10ml	35 42 43
	250	51 30 01		
ACIDIFYING GP	100	51 54 80		
	250	51 54 81		
CHLORINE HR (KI)			13.5 mm cell 10ml	35 42 43
ACIDIFYING GP				
DPD No.1 NESSLERISER	100	51 12 30	Nessleriser 2150	17 21 50
	250	51 12 31		
DPD No.2 NESSLERISER	100	51 12 40	Nessler tubes 113 mm	35 30 60
	250	51 12 41		
DPD No.3 NESSLERISER	100	51 12 50		
	250	51 12 51		
DPD No.4 NESSLERISER	100	51 12 60		
	250	51 12 61		
DPD No.1/2/3/4 NESSLERISER			Nessleriser 2150	17 21 50
			Nessler tubes 113 mm	35 30 60
DPD No.1/2/3/4 NESSLERISER			Nessleriser 2150	17 21 50
			Nessler tubes 113 mm	35 30 60
DPD No.1/2/3/4 NESSLERISER			Nessleriser 2150	17 21 50
			Nessler tubes 113 mm	35 30 60
DPD No.1	100	51 10 60	13.5 mm cell, 10 ml	35 42 43
	250	51 10 61		
DPD No.1			40 mm cell W680/40	60 68 90
DPD No.1			40 mm cell W680/40	60 68 90
CHLORINE HR (KI)	100	51 30 00	40 mm cell W680/40	60 68 90
	250	51 30 01		
ACIDIFYING GP	100	51 54 80		
	250	51 54 81		
Details on request			13.5 mm cell, 10 ml	35 42 43
COPPER/ZINC LR	100	51 26 20	13.5 mm cell, 10 ml	35 42 43
	250	51 26 21		
COPPER/ZINC HR	100	51 23 40	13.5 mm cell, 10 ml	35 42 43
	250	51 23 41		
DEHA	100	51 32 20	40 mm cell W680/40	60 68 90
	250	51 32 21		
DEHA solution	100 ml	46 11 81		



Test Discs, Reagents and Accessories for Certificates of conformity for Lovibond® test discs are available

Test	Disc	Disc Readings	Range	Code
Fluoride	NOM	0; 0.2; 0.4; 0.6; 0.8; 1; 1.2; 1.4; 1.6 mg/l	0 - 1.6 mg/l	28 37 30
Hardness total	4/38	0; 5; 10; 15; 20; 25; 30; 40; 60 mg/l	0 - 60 mg/l CaCO ₃	23 10 70
Hazen/APHA	4/28	50; 75; 100; 150; 200; 250; 300; 400; 500 mg Pt/l	50 - 500 mg Pt/l	24 28 01
	NSH	10; 20; 30; 40; 50; 60; 70; 80; 90 mg Pt/l	10 - 90 mg Pt/l	28 41 70
	NSB	70; 85; 100; 125; 150; 175; 200; 225; 250 mg Pt/l	70 - 250 mg Pt/l	28 41 20
	CAA	0; 2.5; 5; 7.5; 10; 15; 20; 25; 30 mg Pt/l	0 - 30 mg Pt/l	28 41 50
	CAB	30; 35; 40; 45; 50; 55; 60; 65; 70 mg Pt/l	30 - 70 mg Pt/l	28 41 60
Hydrazine	3/126	0; 0.05; 0.1; 0.15; 0.2; 0.25; 0.3; 0.4; 0.5 mg/l	0 - 0.5 mg/l	23 01 90
	3/135	0.02; 0.04; 0.06; 0.08; 0.1; 0.12; 0.14; 0.16; 0.2 mg/l	0.02 - 0.2 mg/l	23 02 90
	3/85	0; 0.1; 0.2; 0.3; 0.4; 0.5; 0.6; 0.8; 1 mg/l	0 - 1.0 mg/l	23 85 00
	NOH	0; 0.5; 1; 2; 3; 4; 6; 8; 10 µg	0 - 10 µg	28 37 00
Hydrogen peroxide	3/50 A	0.05; 0.1; 0.15; 0.2; 0.25; 0.3; 0.35; 0.4; 0.5 mg/l	0.05 - 0.5 mg/l	23 50 00
	3/50 B	0.1; 0.2; 0.3; 0.4; 0.6; 1; 1.5; 2; 3 mg/l	0.1 - 3 mg/l	23 50 10
	3/50 E	0,01; 0,02; 0,03; 0,04; 0,05; 0,07; 0,09; 0,12; 0,15 mg/l	0,01 - 0,15 mg/l	23 50 20
Iodine	3/77A	0.4; 0.7; 1.1; 1.4; 1.8; 2.2; 2.5; 2.9; 3.6 mg/l	0.4 - 3.6 mg/l	23 77 10
	3/77B	0.7; 1.4; 2.2; 3.6; 5.4; 7.2; 9.0; 11; 14 mg/l	0.7 - 14 mg/l	23 77 20
Iron total	3/144	0.02; 0.04; 0.06; 0.08; 0.1; 0.15; 0.2; 0.25; 0.3 mg/l	0.02 - 0.3 mg/l	23 03 80
	3/116	0.1; 0.2; 0.3; 0.4; 0.5; 0.6; 0.7; 0.8; 1 mg/l	0.1 - 1.0 mg/l	23 01 00
	3/117	1; 2; 3; 4; 5; 6; 7; 8; 10 mg/l	1.0 - 10 mg/l	23 01 10
	NOL	0.01; 0.02; 0.03; 0.04; 0.05; 0.06; 0.07; 0.08; 0.10 mg/l	0.01 - 0.1 mg/l	28 37 20

Comparator System 2000+

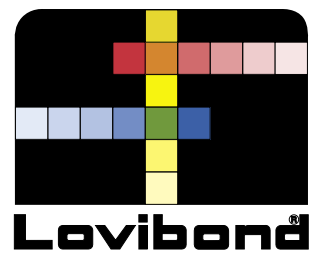
on request

Reagents	Quantity	Code	Accessories	Code
FLUORIDE A-Z	100	51 14 00	Nessleriser 2150	17 21 50
	250	51 14 01	Nessler tubes 113 mm	35 30 60
FLUORIDE EXCESS AL	100	51 14 10		
	250	51 14 11		
ERIOCHROME HARDNESS powder	100 Tests	46 29 50	13.5 mm cell, 10 ml	35 42 43
Straight colour match to sample			40 mm cell W680/40	60 68 90
Straight colour match to sample			Nessleriser 2150 Nessler tubes 113 mm	17 21 50 35 30 60
Straight colour match to sample			Nessleriser 2150 Nessler tubes 113 mm	17 21 50 35 30 60
Straight colour match to sample			Nessleriser 2250 Nessler tubes 250 mm	17 22 50 35 42 00
Straight colour match to sample			Nessleriser 2250 Nessler tubes 250 mm	17 22 50 35 42 00
HYDRAZINE TEST powder	30 g	46 29 10	13.5 mm cell 10 ml	35 42 43
HYDRAZINE TEST powder	30 g	46 29 10	40 mm cell W680/40	60 68 90
p-DMAB reagent	100 ml	46 12 61	13.5 mm cell, 10 ml	35 42 43
p-DMAB reagent	100 ml	46 12 61	Nessler tubes 113 mm	35 30 60
HYDR. PEROXIDE LR	100	51 23 80	13.5 mm cell 10 ml	35 42 43
	250	51 23 81		
HYDR. PEROXIDE LR			13.5 mm cell 10 ml	35 42 43
HYDR. PEROXIDE LR			40 mm Küvette W680/40	60 68 90
DPD No.1	100	51 10 60	13.5 mm cell, 10 ml	35 42 43
	250	51 10 61		
DPD No.1			13.5 mm cell, 10 ml	35 42 43
IRON LR	100	51 53 70	40 mm cell W680/40	60 68 90
	250	51 53 71		
IRON LR	100	51 53 70	13.5 mm cell, 10 ml	35 42 43
	250	51 53 71		
IRON (II) LR	100	51 54 20		
IRON HR	100	51 53 80	13.5 mm cell, 10 ml	35 42 43
	250	51 53 81		
IRON LR + IRON (II) LR			Nessleriser 2150 Nessler tubes 113 mm	17 21 50 35 30 60



Test Discs, Reagents and Accessories for Certificates of conformity for Lovibond® test discs are available

Test	Disc	Disc Readings	Range	Code
Manganese	3/169	0; 0.5; 1; 1.5; 2; 2.5; 3; 3.5; 4 mg/l	0 - 4 mg/l	23 06 90
Molybdate	3/162	0; 1; 2; 3; 4; 5; 6; 8; 10 mg/l	0 - 10 mg/l MoO ₄	23 06 20
	3/137	5; 10; 15; 20; 25; 30; 35; 40; 50 mg/l	5.0 - 50 mg/l MoO ₄	23 03 20
	3/138	10; 20; 30; 40; 60; 80; 100; 120; 150 mg/l	10 - 150 mg/l MoO ₄	23 03 30
Nitrate	3/124	0.1; 0.2; 0.3; 0.4; 0.5; 0.6; 0.7; 0.8; 1 mg/l	0.1 - 1.0 mg/l N	23 01 70
	3/142	10; 20; 30; 40; 50; 60; 70; 80; 100 mg/l	10 - 100 mg/l NO ₃	23 03 60
Nitrite	3/103	0.05; 0.1; 0.15; 0.2; 0.25; 0.3; 0.35; 0.4; 0.5 mg/l	0.05 - 0.5 mg/l	23 00 30
	NJP	0.002; 0.004; 0.006; 0.01; 0.015; 0.02; 0.03; 0.04; 0.05 mg/l	0.002 - 0.05 mg/l	28 39 60
	NJ	0.05; 0.1; 0.2; 0.3; 0.4; 0.5; 0.6; 0.8; 1 µg N	0.05 - 1.0 µg	28 35 80
Oxygen	3/165	2; 3; 4; 5; 6; 7; 8; 10; 12 mg/l	2.0 - 12 mg/l	23 06 50
	NOE	0; 0.005; 0.01; 0.015; 0.03; 0.055; 0.08; 0.1; 0.12 mg/l	0 - 0.12 mg/l	28 36 80
Ozone	3/67	0.1; 0.2; 0.3; 0.4; 0.5; 0.6; 0.7; 0.8; 1 mg/l	0.1 - 1.0 mg/l	23 67 00
	3/67A	0.01; 0.02; 0.03; 0.04; 0.05; 0.06; 0.07; 0.08; 0.1 mg/l	0.01 - 0.1 mg/l	23 67 10
	3/67S	0.05; 0.1; 0.15; 0.2; 0.25; 0.3; 0.35; 0.4; 0.45 mg/l	0.05 - 0.45 mg/l	23 67 70
	3/148	0; 0.05; 0.1; 0.15; 0.2; 0.25; 0.3; 0.4; 0.5 mg/l	0 - 0.5 mg/l	23 04 40



Comparator System 2000+

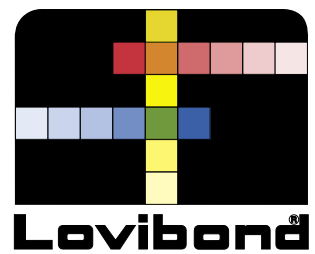
on request

Reagents	Quantity	Code	Accessories	Code
MANGANESE LR 1	100	51 60 80	13.5 mm cell, 10 ml	35 42 43
	250	51 60 81		
MANGANESE LR 2	100	51 60 90	13.5 mm cell, 10 ml	35 42 43
	250	51 60 91		
Details on request			40 mm cell W680/40	60 68 90
MOLYBDATE No.1	100	51 30 60	40 mm cell W680/40	60 68 90
	250	51 30 61		
MOLYBDATE No.2	100	51 30 70	40 mm cell W680/40	60 68 90
	250	51 30 71		
MOLYBDATE No.1	100	51 30 60	13.5 mm cell, 10 ml	35 42 43
	250	51 30 61		
MOLYBDATE No.2	100	51 30 70	13.5 mm cell, 10 ml	35 42 43
	250	51 30 71		
NITRATE-TEST tablets	100 (bottle)	50 28 10	13.5 mm cell, 10 ml	35 42 43
NITRATE Test Powder	15 g	46 52 30	Nitrate-Test tubes	36 62 20
NITRITE LR	100	51 23 10		
	250	51 23 11		
NITRATE No.1	100	51 31 10	13.5 mm cell, 10 ml	35 42 43
	250	51 31 11		
NITRATE No.2	100	51 31 20	13.5 mm cell, 10 ml	35 42 43
	250	51 31 21		
NITRITE LR	100	51 23 10	13.5 mm cell, 10 ml	35 42 43
	250	51 23 11		
NITRITE LR	100	51 23 10	Nessler tubes 113 mm	35 30 60
	250	51 23 11		
NITRITE ACIDIFYING	250 (bottle)	50 23 71	Nessler tubes 113 mm	35 30 60
Details on request			Nessler tubes 113 mm	35 30 60
DO reagent No.1	100 Tests	46 11 50	13.5 mm cell, 10 ml	35 42 43
DO reagent No.2	100 Tests	46 11 60		
DO reagent No.3	90 Tests	46 11 70		
INDIGO CARMINE	50 (bottle)	50 15 10	Nessleriser 2150 special tubes AF315	17 21 50 35 31 50
DPD No.4	100	51 12 20	13.5 mm cell, 10 ml	35 42 43
	250	51 12 21		
DPD No.4	100	51 12 20	40 mm cell W680/40	60 68 90
	250	51 12 21		
DPD No.4	100	51 12 20	13.5 mm cell, 10 ml	35 42 43
	250	51 12 21		
OZONE-INDIGO	100	51 31 70	40 mm cell W680/40	60 68 90
	250	51 31 71		



Test Discs, Reagents and Accessories for Certificates of conformity for Lovibond® test discs are available

Test	Disc	Disc Readings	Range	Code
pH	2/1A	1.2; 1.4; 1.6; 1.8; 2.0; 2.2; 2.4; 2.6; 2.8	1.2 - 2.8 pH	22 10 10
	2/1B	2.8; 3; 3.2; 3.4; 3.6; 3.8; 4; 4.2; 4.4	2.8 - 4.4 pH	22 10 30
	2/1C	3.6; 3.8; 4; 4.2; 4.4; 4.6; 4.8; 5; 5.2	3.6 - 5.2 pH	22 10 50
	2/1E	4.4; 4.6; 4.8; 5; 5.2; 5.4; 5.6; 5.8; 6	4.4 - 6.0 pH	22 10 80
	2/1G	5.2; 5.4; 5.6; 5.8; 6; 6.2; 6.4; 6.6; 6.8	5.2 - 6.8 pH	22 11 00
	2/1H	6; 6.2; 6.4; 6.6; 6.8; 7; 7.2; 7.4; 7.6	6.0 - 7.6 pH	22 11 10
	2/1J	6.8; 7; 7.2; 7.4; 7.6; 7.8; 8; 8.2; 8.4	6.8 - 8.4 pH	22 11 30
	2/1K	7.2; 7.4; 7.6; 7.8; 8; 8.2; 8.4; 8.6; 8.8	7.2 - 8.8 pH	22 11 40
	2/1L	8; 8.2; 8.4; 8.6; 8.8; 9; 9.2; 9.4; 9.6	8.0 - 9.6 pH	22 11 90
	2/1P	4; 5; 6; 7; 8; 9; 9.4; 10; 11	4.0 - 11 pH	22 12 20
	NLC	6; 6.2; 6.4; 6.6; 6.8; 7; 7.2; 7.4; 7.6	6.0 - 7.6 pH	28 10 30
	NLF	8; 8.2; 8.4; 8.6; 8.8; 9; 9.2; 9.4; 9.6	8.0 - 9.6 pH	28 10 60
	Phosphate	3/133	0; 0.25; 0.5; 1; 1.5; 2; 2.5; 3; 4 mg/l	0 - 4.0 mg/l PO ₄
3/136		0; 5; 10; 15; 20; 25; 30; 35; 40 mg/l	0 - 40 mg/l PO ₄	23 03 10
3/12		0; 10; 20; 30; 40; 50; 60; 70; 80 mg/l	0 - 80 mg/l PO ₄	23 12 00
3/70		0; 10; 20; 30; 40; 50; 60; 70; 80; 100 mg/l	0 - 100 mg/l PO ₄	23 70 00
3/60		10; 20; 30; 40; 50; 60; 70; 80; 100 mg/l	10 - 100 mg/l PO ₄	23 60 00
NMD		10; 20; 30; 40; 50; 60; 70; 80; 100 µg	10 - 100 µg PO ₄	28 39 50



Comparator System 2000+

on request

Reagents	Quantity	Code	Accessories	Code
THYMOL BLUE	100 250	51 16 50 51 16 51	13.5 mm cell, 10 ml	35 42 43
BROMOPHENOL BLUE	100 250	51 16 20 51 16 21	13.5 mm cell, 10 ml	35 42 43
BROMOCRESOL GREEN	100 250	51 17 60 51 17 61	13.5 mm cell, 10 ml	35 42 43
METHYL RED	100 ml 250 ml	45 16 31 45 16 32	13.5 mm cell, 10 ml	35 42 43
BROMOCRESOL PURPLE	100 250	51 17 30 51 17 31	13.5 mm cell, 10 ml	35 42 43
BROMOTHYMOL BLUE	100 250	51 16 40 51 16 41	13.5 mm cell, 10 ml	35 42 43
PHENOL RED	100 250	51 17 50 51 17 51	13.5 mm cell, 10 ml	35 42 43
CRESOL RED	100 250	51 16 00 51 16 01	13.5 mm cell, 10 ml	35 42 43
THYMOL BLUE	100 250	51 16 50 51 16 51	13.5 mm cell, 10 ml	35 42 43
UNIVERSAL PH Indicator	25 ml 100 ml 250 ml 500 ml	45 17 70 45 17 71 45 17 72 45 17 73	13.5 mm cell, 10 ml	35 42 43
BROMOTHYMOL BLUE PH Indicator	25 ml 100 ml 250 ml 500 ml	45 16 20 45 16 21 45 16 22 45 16 23	Nessler tubes 113 mm	35 30 60
THYMOL BLUE PH Indicator	25 ml 100 ml 250 ml 500 ml	45 16 50 45 16 51 45 16 52 45 16 53	Nessler tubes 113 mm	35 30 60
PHOSPHATE No.1 LR	100 250	51 30 40 51 30 41	13.5 mm cell, 10 ml	35 42 43
PHOSPHATE No.2 LR	100 250	51 30 50 51 30 51	13.5 mm cell, 10 ml	35 42 43
PHOSPHATE HR	100 250	51 19 80 51 19 81	13.5 mm cell, 10 ml	35 42 43
Details on request			13.5 mm cell, 10 ml	35 42 43
PHOSPHATE HR			13.5 mm cell, 10 ml	35 42 43
Vanadomolybdate reagent	1 litre	46 84 04	13.5 mm cell, 10 ml	35 42 43
Details on request			Nessler tubes 113 mm	35 30 60



Test Discs, Reagents and Accessories for Certificates of conformity for Lovibond® test discs are available

Test	Disc	Disc Readings	Range	Code
QAC (Quaternary Ammonia Compounds)	3/118	0; 2; 4; 6; 8; 10; 12; 15; 20 mg/l	0 - 20 mg/l	23 01 20
	3/119	0; 20; 40; 60; 80; 100; 120; 150; 200 mg/l	0 - 200 mg/l	23 01 30
Silica	3/139	0.4; 0.6; 1; 1.5; 2; 2.5; 3; 3.5; 4 mg/l	0.4 - 4.0 mg/l SiO ₂	23 03 40
	3/147	1; 2; 3; 4; 5; 6; 7; 8; 10 mg/l	1.0 - 10 mg/l SiO ₂	23 04 20
	3/140	0.1; 0.2; 0.3; 0.4; 0.5; 0.6; 0.7; 0.8; 1.0 mg/l	0.1 - 1.0 mg/l SiO ₂	23 02 50
	3/13	2.5; 5; 7.5; 10; 12.5; 15; 17.5; 20; 25 mg/l	2.5 - 25 mg/l SiO ₂	23 13 00
	NN	1; 2; 4; 6; 8; 10; 12; 16; 20 mg/l	1.0 - 20 mg/l SiO ₂	28 36 30
	NV	0.2; 0.3; 0.4; 0.5; 0.6; 0.7; 0.8; 0.9; 1.0 mg/l	0.2 - 1.0 mg/l SiO ₂	28 38 80
Sodium hypochlorite	3/2 Hypo	2; 4; 6; 8; 10; 12; 14; 16 %	2 - 16 %	23 21 10
Sugar	3/29A	0; 5; 10; 15; 30; 45; 60; 75; 100 mg/l	0 - 100 mg/l	23 29 10
Sulphide	3/128	0; 0.05; 0.1; 0.15; 0.2; 0.25; 0.3; 0.4; 0.5 mg/l	0 - 0.5 mg/l S	23 02 10
Zinc	3/151	0; 0.1; 0.2; 0.3; 0.4; 0.5; 0.6; 0.8; 1 mg/l	0 - 1.0 mg/l	23 04 70
	3/102	0; 0.5; 1; 1.5; 2; 2.5; 3; 3.5; 4 mg/l	0 - 4.0 mg/l	23 00 20

Comparator System 2000+

on request

Reagents	Quantity	Code	Accessories	Code
QAC LR	100 250	51 53 90 51 53 91	40 mm cell W680/40	60 68 90
QAC HR	100 250	51 54 00 51 54 01	13,5 mm Küvette, 10 ml*	35 42 43
SILICA No.1	100 250	51 31 30 51 31 31	13.5 mm cell, 10 ml	35 42 43
SILICA No.2	100 250	51 31 40 51 31 41		
SILICA No.1/No.2			13.5 mm cell, 10 ml	35 42 43
Details on request			40 mm cell W680/40	60 68 90
Ammonia molybdate	100 ml	46 02 41	40 mm cell W680/40	60 68 90
Ammonia molybdate	100 ml	46 02 41	Nessleriser 2150 Nessler tubes 113 mm	17 21 50 35 30 60
Details on request			Nessler tubes 113 mm	35 30 60
CHLORINE HR (KI)	100 250	51 30 00 51 30 01	13.5 mm cell, 10 ml	35 42 43
ACIDIFYING GP	100 250	51 54 80 51 54 81		
Details on request			5 mm cell W680/5	60 67 90
SULPHIDE No.1	100 (bottle)	50 29 30	13.5 mm cell, 10 ml	35 42 43
SULPHIDE No.2	100 (bottle)	50 29 40		
COPPER/ZINC LR	100	51 26 20	13.5 mm cell, 10 ml	35 42 43
COPPER/ZINC LR	250	51 26 21		
COPPER/ZINC HR	100	51 23 40	13.5 mm cell, 10 ml	35 42 43
COPPER/ZINC HR	250	51 23 41		

