

MINI-KITS



SIMPLE DOSING REAGENTS

VARIOUS PARAMETERS AND KITS

TURBIDITY METHOD

TABLET COUNT METHOD (TITRATION)

YES | NO METHOD

Alkalinity –M and –P | Chloride | Total Hardness | Hardness yes–no | Calcium Hardness | Nitrite | Sulphite | Permanganate Value | Turbidity Cleaning–Acid–Strengths | Cyanuric Acid



FEATURES

Some Water-i.d.® Mini Kits are based on the tablet counting method, in which tablets are added to the water until the colour changes in a defined way. The amount of tablets added is entered into a formula to determine the measured value. The innovative Water-i.d.® tablet push-through blisters simplify the procedure. In the turbidity method, the water sample becomes turbid after the reagent is added. The intensity of the turbidity determines the value.

In the yes/no test method, a distinction is made between 2 different colours. Depending on which colour develops, the parameter is present in the sample or not.

Both the titration and turbidity methods and the yes/no test are simple and proven measuring methods for determining water values. Each Water-i.d.® Mini Kit is supplied in a gray plastic case with foam insert, at least 1 x 100ml plastic beaker with measuring and dilution scale, stirring rod, cleaning brush and – parameter dependent – 100 reagent tablets. The measuring range can be easily extended by diluting the water sample.



CONTENT

ITEM NO.	PARAMETER	MEASUREMENT-RANGE	TABLET COUNT	TURBIDITY	YES NO
SVZ500	Alkalinity–M	(10 – 500 mg/l CaCO ₃)			•
SVZ550	Alkalinity–P	(20 – 500 mg/l CaCO ₃)			•
SVZ555	Alkalinity–P (./ BaCl ₂)	(20 – 500 mg/l CaCO ₃)			•
SVZ1300	Calcium Hardness	(10 – 500 mg/l CaCO ₃)			•
SVZ1400	Total Hardness HR	(5 – 500 mg/l CaCO ₃)			•
SVZ1450	Total Hardness LR	(1 – 50 mg/l CaCO ₃)			•
SVJ1400	(Total) Hardness yes–no	(4 8 20 mg/l CaCO ₃)			•
SVZ1600	Chloride	(5 – 5000 mg/l Cl)			•
SVT1100	Cyanuric Acid	(0 – 200 mg/l)			•
SVZ1700	Nitrite	(70 – 1500 mg/l NaNO ₂)			•
SVZ1800	Sulphite (LR)	(2 – 50 mg/l Na ₂ SO ₃)			•
SVZ1850	Sulphite (HR)	(10 – 500 mg/l Na ₂ SO ₃)			•
SVZ2700	Clean. Ac. Strength	(0,75 – 10,00 %)			•
SVS2800	Permanganate Value*	0 → 30			•
SVT4000	Turbidity and Susp. Solids				•

*BOD Sewage 0 → 150 | BOD Effluent 0 → 45 | COD Sewage 0 → 300 | COD Effluent 0 → 210 | TOC Sewage 0 → 90 | TOC Effluent 0 → 60

Each Mini-Kit comes in a black plastic case with foam insert, 100ml shaker-/dilution tube or turbidity tube (only SVT1100), 13cm stirring rod, cleaning brush and 50/50 or 100 reagents.

Measurement ranges can easily be expanded by using less sample water!



Item No.	Product Description	Measurement-Range	Reagents
SVZ500*	Kit to determine the Alkalinity-M value by the tablet count method.	Alkalinity-M (10 - 500 mg/l CaCO ₃)	Total Alkalinity TC (100 tabl.)
SVZ550	Kit to determine the Alkalinity-P value by the tablet count method.	Alkalinity-P (20 - 500 mg/l CaCO ₃)	Alkalinity-P TC (100 tabl.)
SVZ555	Kit to determine the Alkalinity-P value (BaCl ₂) by the tablet count method.	Alkalinity-P (20 - 500 mg/l CaCO ₃)	Alkalinity-P TC (50 tabl.) Alk-P (./ BaCl ₂) TC (50 powder pillows)
SVZ1300**	Kit to determine the Calcium Hardness value by the tablet count method.	Calcium Hardness (10 - 500 mg/l CaCO ₃)	Calcium Hardness TC (100 tabl.)
SVZ1400**	Kit to determine the Total Hardness HR value by the tablet count method.	Total Hardness (10 - 500 mg/l CaCO ₃)	Total Hardness TC (100 tabl.)
SVZ1450**	Kit to determine the Total Hardness LR value by the tablet count method.	Total Hardness (1 - 50 mg/l CaCO ₃)	Total Hardness LR TC (100 tabl.)
SVJ1400	Kit to determine the Total Hardness value by the Yes/No method.	Total Hardness (4 / 8 / 20 mg/l CaCO ₃)	Hardness yes/no (100 tabl.)
SVZ1600	Kit to determine the Chloride value by the tablet count method.	Chloride (5 -5000 mg/l Cl ⁻)	Chloride TC (100 tabl.)
SVT1100	Kit to determine the Cyanuric Acid value by the opacity method.	Cyanuric Acid (0 - 200 mg/l)	CYA-Test (100 tabl.)
SVZ1700	Kit to determine the Nitrite value by the tablet count method.	Nitrite (70 - 1500 mg/l NaNO ₂)	Nitrite N° 1 TC (50 tabl.) Nitrite N° 2 TC (50 tabl.)
SVZ1800	Kit to determine the Sulphite (LR) value by the tablet count method.	Sulphite (2 - 50 mg/l Na ₂ SO ₃)	Sulphite N° 1 TC (50 tabl.) Sulphite LR N° 2 TC (50 tabl.)
SVZ1850	Kit to determine the Sulphite (HR) value by the tablet count method.	Sulphite (10 - 500 mg/l Na ₂ SO ₃)	Sulphite N° 1 TC (50 tabl.) Sulphite HR N° 2 TC (50 tabl.)
SVZ2700	Kit to determine the Cleaning Acid Strength (CAS) concentration	CAS (0.75 - 10.00 %)	CAS (100 tabl bottle)
SVS2800	Kit to determine the Permanganate Value as well as Sewage/Effluent BOD/COD/TOC . Includes 3 x 100 shaker-/dilution tube!	Perm. Value 0 → 30 BOD Sewage 0 → 150 BOD Effluent 0 → 45 COD Sewage 0 → 300 COD Effluent 0 → 210 TOC Sewage 0 → 90 TOC Effluent 0 → 60	Acidifying SE (100 powder pillows) Permanganate Value (100 tabl.)

* Simple conversion of the test results in °dH ("German Degrees" of Carbon Hardness), °e (English degrees) and °f (French degrees).

**Simple conversion of the test results in alkaline earth ions (mmol/l), alkaline earth ions (mval/l), °dH (German degrees), °e (English degrees), °f (French degrees).

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KITS

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Item No.	Product Description	Measurement-Range	Reagents
SVZ3700*	Kit to determine the Phosphonate value by drop titration method.	Phosphonate (0 - 20 mg/l)	65 ml „P1/4L Phosphonate Indicator“ 65 ml „P5 Phosphonate Titrant“
SVT4000	Kit to determine Turbidity and Suspended Solids		no reagents needed

Each Mini-Kit comes in a black plastic case with foam insert, 100ml shaker-/dilution tube (SVZ3700 2x) or turbidity tube (only SVT1100), 13cm stirring rod, cleaning brush and 50/50 or 100 reagents.+(SVZ3700 10ml syringe)

Measurement ranges can easily be expanded by using less sample water!

* Simple conversion of the test results in °dH ("German Degrees" of Carbon Hardness), °e (English degrees) and °f (French degrees).

**Simple conversion of the test results in alkaline earth ions (mmol/l), alkaline earth ions (mval/l), °dH (German degrees), °e (English degrees), °f (French degrees).

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WATER TESTING EQUIPMENT
MADE IN GERMANY



SINGLE COMPONENTS

Item No.	Product Description	Quantity
SVZdev100	100ml Tablet Count shaker tube	1
SVTdev20	20ml CYA-Turbidity device	1
SPstr1	Plastic Stirring Rod (13 cm)	1
SPstr10	Plastic Stirring Rods (13 cm)	10
SPstr50	Plastic Stirring Rods (13 cm)	50
SPstr100	Plastic Stirring Rods (13 cm)	100
SPclb1	Cleaning Brush	1
SPclb10	Cleaning Brushes	10
SPclb50	Cleaning Brushes	50



SVZdev100



SVTdev20



SPstr1



SPclb1

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REAGENTS FOR MINI-KITS

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Suitable for the following Mini-Kits:

Item No.	Type	Category	Measurement-Range	Suitable for the following Mini-Kits:																						
				SVZ500	SVZ550	SVZ555	SVZ1300	SVZ1400	SVZ1450	SVJ1400	SVZ1600	SVT1100	SVZ1700	SVZ1800	SVZ1850	SVZ2700	bottle with tablets				pow. pillows		kit			
																50	100	250	500	50	100					
TbsRTA...	Total Alkalinity TC	RAPID tablet count	Total Alkalinity (Alk-m)/ Acid Capacity (10 - 500 mg/l CaCO ₃)	•															•	•	•	•				
TbsRAP...	Alkalinity P TC	RAPID tablet count	Alkalinity-P (20 - 500 mg/l CaCO ₃)		•	•													•	•	•	•				
PPHAPB...	Alk-P (BaCl ₂) TC Powder Pillows	RAPID tablet count	Auxiliary reagent to measure Alk-P			•													•	•						
TbsRCH...	Calcium Hardness TC	RAPID tablet count	Calcium Hardness (10 - 500 mg/l CaCO ₃)				•												•	•	•	•				
PPHCHSWC	Calcium H. (TC) Sea Water Cond. Pow.	Powder Pillow	Calcium Hardness (10 - 500 mg/l CaCO ₃)				•																•	•		
TbsRTH...	Total Hardness TC	RAPID tablet count	Total Hardness (10 - 500 mg/l CaCO ₃)					•											•	•	•	•				
TbsRTHLR...	Total Hardness LR TC	RAPID tablet count	Total Hardness (1 - 50 mg/l CaCO ₃)						•										•	•	•	•				
TbsRTHJN...	Hardness yes/no	RAPID tablet count	Total Hardness (4 / 8 / 20 mg/l CaCO ₃)							•									•	•	•	•				
TbsRCD...	Chloride TC	RAPID tablet count	Chloride (5 - 5000 mg/l Cl)								•								•	•	•	•				
TbsPCAT...	CYA Test	Photometer	Cyanuric Acid (0 - 200 mg/l)									•							•	•	•	•				
TbsHNT1...	Nitrite No. 1	RAPID tablet count	Auxiliary tablet to measure Nitrite										•						•	•	•	•				
TbsRNT2...	Nitrite No. 2	RAPID tablet count	Nitrite (70 - 1500 mg/l NaNO ₂)											•					•	•	•	•				
TbsRSPIL2...	Sulphite No. 2(LR)	RAPID tablet count	Sulphite (2 - 50 mg/l Na ₂ SO ₃)												•				•	•	•	•				
TbsRSPIH2...	Sulphite No. 2(HR)	RAPID tablet count	Sulphite (10 - 500 mg/l Na ₂ SO ₃)																•	•	•	•				
TbsHSPI...	Sulphite No. 1	RAPID tablet count	Auxiliary tablet to measure Sulphite																•	•	•	•				
TbsRCAS...	CAS	RAPID tablet count	Cleaning Acid Strength (0.75 - 10.00 %)																		•					

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REAGENTS FOR MINI-KITS

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Suitable for the following Mini-Kits:

Item No.	Type	Category	Measurement-Range	Suitable for the following Mini-Kits:		bottle with tablets				pow. pillows		kit
				SVZ3700	SVS2800	...50	100	250	500	50	100	
PPHASE...	Acidifying SE	RAPID (POWDER PILLOW)	Auxiliary reagent to measure Perm. Val. (ranges: see Mini-Kits page)	•		•	•					
TbsRPerm...	Permanganate Value	RAPID	Permanganat Value / BOD / COD / TOC (ranges: see Mini-Kits page)	•		•	•	•	•			
P14LP5-65	65ml „P1/4L Phosponate Indicator“ 65ml „P5 Phosponate Titrant“	Liquid	Phosponate 0 - 20 mg/l	•								•

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