



# JBL SiO<sub>2</sub> Silicate Test

Quick test to determine the silicate content

Suitable for:



- Simple and reliable monitoring of the water values. Determines the optimum silicic acid content in fresh and saltwater to monitor the diatoms in the aquarium
- Laboratory comparator system to compensate any inherent water colouring: fill glass cuvettes with sample water, add reagents to another vial, place vials in holder, read values on colour chart
- When to use: when setting up a new aquarium, for the monitoring of tap water and with diatom problems
- Online Laboratory: free analysis and recommendations for the water values you have measured
- Package contents: 1 quick test, Silicate Test SiO<sub>2</sub>. Contents for approx. 50 measurements. Incl. 3 reagents, 2 glass cuvettes with screw cap, dosing spoon, syringe, comparator block and colour scale. Refill reagents available separately

You may also be interested in

You can find a complete overview here: <https://www.jbl.de/qr/25353>



**JBL Testlab**  
Test case with 13 tests f. freshwater analysis Testlab



**JBL Testlab Marin**  
Professional test case for the analysis of saltwater



**JBL Testlab ProScope**  
Test case for water analysis in plant aquariums





# JBL SiO<sub>2</sub> Silicate Test

Accessories



JBL component set for  
water tests





# JBL SiO<sub>2</sub> Silicate Test

 Spare parts



**JBL assortment Test Colour Charts**  
Colour charts for JBL water tests



**JBL Testlab empty + inserts**





# JBL SiO<sub>2</sub> Silicate Test



## Product information

Healthy aquariums with conditions close to nature

The right water values are dependent on the fish stock and the plants in the aquarium. Even if the water looks clear it can be contaminated. With bad values diseases or algae can appear in the aquarium. To maintain a healthy aquarium with conditions close to nature it is important to check and adapt the water values regularly.

For each water analysis JBL provides water tests in the form of quick tests or colour change tests. These determine a certain value or several values in one go. With these water tests you can recognise algae problems and negative nitrate, nitrite, potassium, magnesium values etc.

Why test?

Silicon is one of the most common elements in the world. As a result of the weathering of silicate rocks, silicon is washed into surface and ground water in the form of silicate. Depending on the composition of the rocks in a particular area, the mains water will contain varying amounts of dissolved silicate. The significance of silicon for aquariums and garden ponds is as a nutrient for diatoms, some aquatic plants, siliceous sponges and many other invertebrates.

JBL Online Laboratory

Regular control for a healthy aquarium/pond with conditions close to nature. Enter your water values into the JBL Online Laboratory and get an in-depth analysis of your values within seconds.

Recommended silicate values:


Freshwater aquarium (community aquarium): 0-2.0 mg/l

Lake Malawi/Lake Tanganyika aquarium: the silicate content is not relevant here because grazing fish species like eating diatoms.

Plant aquarium with few fish (aquascaping): 0-2.0 mg/l

Marine water Aquarium: 0-1.0 mg/l

Pond: 0-2.0 mg/l

Further information	
FAQ	✓
Blog	✓
Press	✓
Laboratory/calculator	✗
Worth reading	✓
Spare parts	✓
Video	✗
GarantiePlus	✗
Instructions	✓
QR code	





# JBL SiO2 Silicate Test

## Product details

Article data		
Product name	JBL SiO2 Silicate Test Set	JBL SiO2 Silicate Reagent
Art. No.	2535300	2535400
EAN number	4014162253538	4014162253545
EAN as barcode		
Content	50 tests	-
-	-	-
Expiry months	36	36
RRP incl. VAT	-	-
Base price	-	-
Nominal filling quantity	-	-
Base quantity	1	1
Gross weight	215 g	118 g
Net weight	186 g	55 g
Weight change	1000	1000

Disposal		
Product name	JBL SiO2 Silicate Test Set	JBL SiO2 Silicate Reagent
Art. No.	2535300	2535400
Green dot	✓	✓
Group electronic waste	-	-
Disposal weight	-	-
Battery type	-	-
Battery return	-	-
Battery rechargeable	-	-
Disposal weight battery	-	-
Non-returnable glass	-	-
PPK	29 g	13 g
Plastic small	-	-
Plastic large	-	-
Disposal weight metal	0 g	0 g

Features		
Product name	JBL SiO2 Silicate Test Set	JBL SiO2 Silicate Reagent
Art. No.	2535300	2535400
Animal species	Arowana, Axolotl, Barbels, Bettas, Bichirs/reedfish, Blowfish, Catfish, Cichlids (South America), Corals, Crayfish, Danions, Discus, Dwarf shrimps, Flowerhorn, Gobies, Goldfish, Gouramis, Guppy, Juvenile fish, Killifish, Livebearers, Loaches, Mussels, Panchaxes, Rainbowfish, Snails, Spiny eels, Terrapins, Tetra, Tropical terrapins, Veiltails, freshwater butterflyfish, turtle	Arowana, Axolotl, Barbels, Bettas, Bichirs/reedfish, Blowfish, Catfish, Cichlids (South America), Corals, Crayfish, Danions, Discus, Dwarf shrimps, Flowerhorn, Gobies, Goldfish, Gouramis, Guppy, Juvenile fish, Killifish, Livebearers, Loaches, Mussels, Panchaxes, Rainbowfish, Snails, Spiny eels, Terrapins, Tetra, Tropical terrapins, Veiltails, freshwater butterflyfish, turtle





Features		
Animal size	For all animal sizes	For all animal sizes
Animal age group	All aquarium fish	All aquarium fish
Volume of habitat	50 tests	50 tests
Material	Reagent 1: sulphuric acid, ammonium molybdate, tartrazine, purified water. Reagent 2: tartaric acid, ethanol, benzoic acid 5-hydroxy methyl ester, purified water. Reagent 3: ascorbic acid	Reagent 1: sulphuric acid, ammonium molybdate, tartrazine, purified water. Reagent 2: tartaric acid, ethanol, benzoic acid 5-hydroxy methyl ester, purified water. Reagent 3: ascorbic acid
Food type	-	-
Colour	yellow / white	yellow / white
Dosage	Add 10 drops reagent 1 for each 10 ml of sample water (swirl and leave to stand for 3 minutes), then 10 drops of reagent 2 (swirl and leave to stand for 3 minutes) and a small measuring spoon (narrow end of the enclosed double-ended spoon) full of reagent 3 (close lid and shake until dissolved. Leave to stand for 3 minutes)	Add 10 drops reagent 1 for each 10 ml of sample water (swirl and leave to stand for 3 minutes), then 10 drops of reagent 2 (swirl and leave to stand for 3 minutes) and a small measuring spoon (narrow end of the enclosed double-ended spoon) full of reagent 3 (close lid and shake until dissolved. Leave to stand for 3 minutes)
Transport conditions	-	-



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Electronic label / illuminant		
Product name	JBL SiO <sub>2</sub> Silicate Test Set	JBL SiO <sub>2</sub> Silicate Reagent
Art. No.	2535300	2535400
Ambient temperature	-	-
Start time	-	-
Mercury	-	-
Tube length	-	-
Service life	-	-
Lumen	-	-
CRI value	-	-
Dimmable	-	-
Switching cycles	-	-
PAR value	-	-
Energy efficiency class	-	-
UV-A	-	-
UV-B	-	-
UV-C	-	-
Colour temperature	-	-
Base designation	-	-

Technical data		
Product name	JBL SiO <sub>2</sub> Silicate Test Set	JBL SiO <sub>2</sub> Silicate Reagent
Art. No.	2535300	2535400
Range in litres	-	-
Range from - to	-	-
Range in days	-	-
Range tank length	-	-
Output in watts	-	-
Output per hour	-	-
Output per day	-	-
Height	-	-
Length	-	-
Width	-	-
Diameter	-	-
Voltage	-	-
For	-	-
T8 26mm (watt)	-	-
T5 16mm (watt)	-	-
Size	-	-
Content for	-	-
Filter container volume	-	-
Volume filter media	-	-
Hose connections pressure/out	-	-
Hose connections suction/in	-	-
Delivery head	-	-





# JBL SiO<sub>2</sub> Silicate Test

Food type	-
Sub product type	-
Dosing	Add 10 drops reagent 1 for each 10 ml of sample water (swirl and leave to stand for 3 minutes), then 10 drops of reagent 2 (swirl and leave to stand for 3 minutes) and a small measuring spoon (narrow end of the enclosed double-ended spoon) full of reagent 3 (close lid and shake until dissolved. Leave to stand for 3 minutes)








# JBL SiO<sub>2</sub> Silicate Test

## Safety information

- safety information in accordance with GHS	
Signal word	Warning
Hazard symbol	
Risk phrase	H315: Causes skin irritation. H319: Causes serious eye irritation.
safety note	P101: If medical advice is needed, have product container or label at hand. P102: Keep out of reach of children. P103: Read label before use. P280: Wear protective gloves/protective clothing/eye protection/face protection. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P332+P313: If skin irritation occurs: Get medical advice/attention. P337+P313: If eye irritation persists: Get medical advice/attention. P302+P352a: IF ON SKIN: Wash with plenty of water.

Further safety information	
Safety instructions	✓
QR code	





## Additional information for the specialist trade sector

Article data		
Product name	JBL SiO2 Silicate Test Set	JBL SiO2 Silicate Reagent
Art. No.	2535300	2535400
VAT	19%	19%
Sales unit (SU)	3	1
Volume packaging	0.8l	0.45l
Dimensions (l/w/h)	43 mm/106 mm/175 mm	30 mm/96 mm/217 mm
Layer	240	0
Pallet	720	0
Category of products	1	1
Customs tariff	38220000	38220000
Country of origin	DE	DE
Type of packaging	Faltschachtel/Karton	Skin / blister card packaging

PU 1 data		
Product name	JBL SiO2 Silicate Test Set	JBL SiO2 Silicate Reagent
Art. No.	2535300	2535400
PU 1 material	film gr	cardboard gr
PU 1 weight	3.5 g	660 g
PU 1 length	105 mm	580 mm
PU 1 width/depth	130 mm	390 mm
PU 1 height	180 mm	310 mm

PU 2 data		
Product name	JBL SiO2 Silicate Test Set	JBL SiO2 Silicate Reagent
Art. No.	2535300	2535400
PU 2 material	cardboard gr	None
PU 2 weight	540 g	-
PU 2 length	400 mm	-
PU 2 width/depth	400 mm	-
PU 2 height	350 mm	-

Trade data		
Product name	JBL SiO2 Silicate Test Set	JBL SiO2 Silicate Reagent
Art. No.	2535300	2535400
Till receipt text	SiO <sub>2</sub> Test	SiO <sub>2</sub> Re
Shelf placement	-	-