



# 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 | -   | -   |



# JBL SiO2 Silicate Test

| Electronic label / illuminant |                            |                           |
|-------------------------------|----------------------------|---------------------------|
| Product name                  | JBL SiO2 Silicate Test Set | JBL SiO2 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 SiO2 Silicate Test Set | JBL SiO2 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.<br>H319: Causes serious eye irritation.  |
| safety note                                 | P101: If medical advice is needed, have product container or label at hand.<br>P102: Keep out of reach of children.<br>P103: Read label before use.<br>P280: Wear protective gloves/protective clothing/eye protection/face protection.<br>P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>P332+P313: If skin irritation occurs: Get medical advice/attention.<br>P337+P313: If eye irritation persists: Get medical advice/attention.<br>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                  | 24%                        | 24%                           |
| 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   | -                          | -                         |