# JBL PROAQUATEST KH Carbonate hardness

## Quick test to determine the carbonate hardness (KH)

Suitable for:

- Simple and reliable monitoring of the water values in aquariums and ponds. Determines the ideal carbonate hardness in fresh and marine water
- Colour change test: fill plastic cuvette with sample water, add reagent drop by drop until colour changes from blue to yellow. Number of drops = level of carbonate hardness
- When to use: daily in the first week in newly set up aquariums, afterwards once a week
- You will find detailed information and troubleshooting tips about water analysis on the JBL website in Essentials/Aquarium or Pond
- Package contents: 1 KH quick test, incl. one reagent and plastic cuvette. Reagent refill separately available

## You may also be interested in

You can find a complete overview here: https://www.jbl.de/qr/24110

**JBL PROAQUATEST COMBISET Plus Fe**
Test case with most important water tests + iron test

**JBL PROAQUATEST COMBISET Plus NH4**
Test case with most important water tests + NH4 test

**JBL PROAQUATEST LAB**
Test case with 13 water tests for freshwater analysis

**JBL PROAQUATEST LAB PROSCAPE**
Test case for water analysis in plant aquariums

# JBL PROAQUATEST KH Carbonate hardness

## Spare parts

**JBL component set for water tests**

# JBL PROAQUATEST KH Carbonate hardness

## Product information

Healthy aquarium/healthy pond with conditions close to nature
The right water values are dependent on the fish stock and the plants in the aquarium/pond. Even if the water looks clear it can be contaminated. With bad values diseases or algae can appear in the aquarium/pond. To maintain a healthy aquarium/pond 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?
The well-being of aquarium and pond dwellers and the healthy growth of aquatic plants depend to a large extent on the KH level being kept as constant as possible. The carbonate hardness is one of the most important water values since it keeps the pH level stable. The KH should never drop below 4 °dKH.

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 KH values:
Freshwater aquarium (community aquarium): 5-12 °dKH
Lake Malawi/Lake Tanganyika aquarium: 7-20 °dKH
Plant aquarium with few fish (aquascaping): 3-8 °dKH
Marine aquarium: 7-10 °dKH
Pond: 7-10 °dKH

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

# JBL PROAQUATEST KH Carbonate hardness

## Product details

| Article data | | |
|---|---|---|
| Product name | JBL PROAQUATEST KH Carbonate hardness | JBL PROAQUATEST KH REFILL |
| Art. No. | 2411000 | 2411100 |
| EAN number | 4014162241108 | 4014162241115 |
| EAN as barcode | | |
| For | Set | Refill |
| - | - | - |
| Expiry months | 36 | 36 |
| RRP incl. VAT | 11,46 € | 6,43 € |
| Base price | - | - |
| Nominal filling quantity | - | - |
| Base quantity | 1 | 1 |
| Gross weight | 88.5 g | 28 g |
| Net weight | 51 g | 10 g |
| Weight change | - | - |

| Disposal | | |
|---|---|---|
| Product name | JBL PROAQUATEST KH Carbonate hardness | JBL PROAQUATEST KH REFILL |
| Art. No. | 2411000 | 2411100 |
| Green dot | ✓ | ✓ |
| Group electronic waste | - | - |
| Disposal weight | - | - |
| Battery type | - | - |
| Battery return | - | - |
| Battery rechargeable | - | - |
| Disposal weight battery | - | - |
| Non-returnable glass | - | - |
| PPK | 27 g | 7.5 g |
| Plastic small | 10 g | 10 g |
| Plastic large | - | - |
| Disposal weight metal | 0 g | 0 g |

| Features | | |
|---|---|---|
| Product name | JBL PROAQUATEST KH Carbonate hardness | JBL PROAQUATEST KH REFILL |
| Art. No. | 2411000 | 2411100 |

| Features | | |
|---|---|---|
| Animal species | Armored catfish, Arowana, Axolotl, Barbels, Bettas, Bichirs/ reedfish, Blowfish, Catfish, Cichlids (South America), Clawed frogs, Clawed shrimps, Corals, Crayfish, Crustaceans, Danions, Discus, Dwarf crayfish, Dwarf shrimps, Flowerhorn, Gill maggots, Gobies, Goldfish, Gouramis, Guppy, Juvenile fish, Killifish, Livebearers, Loaches, Mussels, Newts, Panchaxes, Rainbowfish, Snails, Spiny eels, Terrapins, Tetra, Tropical terrapins, Veiltails, blood parrot cichlids, freshwater butterflyfish, turtle | Armored catfish, Arowana, Axolotl, Barbels, Bettas, Bichirs/ reedfish, Blowfish, Catfish, Cichlids (South America), Clawed frogs, Clawed shrimps, Corals, Crayfish, Crustaceans, Danions, Discus, Dwarf crayfish, Dwarf shrimps, Flowerhorn, Gill maggots, Gobies, Goldfish, Gouramis, Guppy, Juvenile fish, Killifish, Livebearers, Loaches, Mussels, Newts, Panchaxes, Rainbowfish, Snails, Spiny eels, Terrapins, Tetra, Tropical terrapins, Veiltails, blood parrot cichlids, freshwater butterflyfish, turtle |
| Animal size | For all animal sizes | For all animal sizes |
| Animal age group | All aquarium fish | All aquarium fish |
| Volume of habitat | - | - |
| Material | Reagent(s) in plastic bottle(s) and/ or glass bottle(s) + plastic and/or glass accessories. REFILL: reagent (s) without accessories. | Reagent(s) in plastic bottle(s) and/ or glass bottle(s) + plastic and/or glass accessories. REFILL: reagent (s) without accessories. |
| Food type | - | - |
| Colour | white / transparent / black | white / transparent / black |
| Dosage | See instructions | See instructions |
| Transport conditions | - | - |

# JBL PROAQUATEST KH Carbonate hardness

| Electronic label / illuminant | | |
|---|---|---|
| Product name | JBL PROAQUATEST KH Carbonate hardness | JBL PROAQUATEST KH REFILL |
| Art. No. | 2411000 | 2411100 |
| 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 PROAQUATEST KH Carbonate hardness | JBL PROAQUATEST KH REFILL |
| Art. No. | 2411000 | 2411100 |
| Range in litres | - | - |
| Range from - to | - | - |
| Range in days | - | - |
| Range tank length | - | - |
| Output in watts | - | - |
| Output per hour | - | - |
| Output per day | - | - |
| Height | 175 mm | 64 mm |
| Length | 106 mm | 24 mm |
| Width | 43 mm | 24 mm |
| Diameter | - | 24 mm |
| Voltage | - | - |
| For | - | - |
| T8 26mm (watt) | - | - |
| T5 16mm (watt) | - | - |
| Size | - | - |
| Content for | - | - |
| Filter container volume | - | - |
| Volume filter media | - | - |
| Hose connections pressure/out | - | - |

| Technical data | | |
|---|---|---|
| Hose connections suction/in | - | - |
| Delivery head | - | - |

# JBL PROAQUATEST KH Carbonate hardness

| | |
|---|---|
| Food type | - |
| Sub product type | - |
| Dosing | See instructions |

# JBL PROAQUATEST KH Carbonate hardness

## Safety information

| JBL KH - safety information in accordance with GHS | |
|---|---|
| Signal word | Danger |
| Hazard symbol | |
| Risk phrase | H226: Flammable liquid and vapour.<br>H314: Causes severe skin burns and eye damage.<br>H318: Causes serious eye damage. |
| safety note | P101: If medical advice is needed, have product container or label at hand.<br>P102: Keep out of reach of children.<br>P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].<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>P501a: Dispose of contents/container in accordance with local regulations. |

| Further safety information | |
|---|---|
| Safety instructions | ✓ |
| QR code | |

## Additional information for the specialist trade sector

| Article data | | |
|---|---|---|
| Product name | JBL PROAQUATEST KH Carbonate hardness | JBL PROAQUATEST KH REFILL |
| Art. No. | 2411000 | 2411100 |
| VAT | 19% | 19% |
| Sales unit (SU) | 3 | 1 |
| Volume packaging | 0.8l | 0.57l |
| Dimensions (l/w/h) | 43 mm/106 mm/175 mm | 30 mm/110 mm/175 mm |
| Layer | 240 | 800 |
| Pallet | 720 | 2400 |
| Category of products | 1 | 1 |
| Customs tariff | 38221100 | 38221100 |
| Country of origin | DE | DE |
| Type of packaging | Faltschachtel/Karton | Skin / blister card packaging |

| PU 1 data | | |
|---|---|---|
| Product name | JBL PROAQUATEST KH Carbonate hardness | JBL PROAQUATEST KH REFILL |
| Art. No. | 2411000 | 2411100 |
| PU 1 material | film gr | cardboard gr |
| PU 1 weight | 3.5 g | 660 g |
| PU 1 lengh | 106 mm | 580 mm |
| PU 1 width/depth | 130 mm | 390 mm |
| PU 1 height | 180 mm | 310 mm |

| PU 2 data | | |
|---|---|---|
| Product name | JBL PROAQUATEST KH Carbonate hardness | JBL PROAQUATEST KH REFILL |
| Art. No. | 2411000 | 2411100 |
| PU 2 material | cardboard gr | None |
| PU 2 weight | 540 g | - |
| PU 2 lengh | 400 mm | - |
| PU 2 width/depth | 400 mm | - |
| PU 2 height | 350 mm | - |

| Trade data | | |
|---|---|---|
| Product name | JBL PROAQUATEST KH Carbonate hardness | JBL PROAQUATEST KH REFILL |
| Art. No. | 2411000 | 2411100 |
| Till receipt text | Test KH | Refill KH |
| Shelf placement | Test shelf, water treatment troubleshooting | Test shelf, water treatment troubleshooting |