



# 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 NH<sub>4</sub>

Test case with most important water tests + NH<sub>4</sub> 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	12,26 €	6,80 €
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	-	-





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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. H314: Causes severe skin burns and eye damage. H318: Causes serious eye damage.
safety note	P101: If medical advice is needed, have product container or label at hand. P102: Keep out of reach of children. P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. 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	20%	20%
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 length	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 length	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