



# JBL PROAQUATEST GH General hardness

Quick test to determine the general hardness

Suitable for:



- Simple and reliable monitoring of the water values in aquariums/ponds. Determines the ideal general hardness in freshwater aquariums and ponds
- Colour change test: fill plastic cuvette with sample water, add reagent drop by drop until colour changes from red to green. Number of drops = level of general 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 GH 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/24108>



**JBL PROSCAN**  
Water test with analysis via smartphone



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



**JBL PROAQUATEST COMBISET POND**  
Test case for water analyses in koi and garden ponds



**JBL PROAQUATEST LAB Koi**  
Professional test case for koi and garden ponds





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Spare parts



JBL component set for  
water tests





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## 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?

Depending on origin and consistency of the subsoil, water may contain varying quantities of alkaline earth salts, usually in the form of calcium and magnesium salts. General hardness, by definition, is the sum of calcium and magnesium ions. Most fish and plants thrive well at a general hardness of between roughly 8 and 20°dH. Excessive total hardness values, should, however, be counteracted by the appropriate measures.

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.

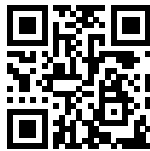
Recommended general hardness values:

Freshwater aquarium (community aquarium): 8-25 °dGH

Lake Malawi/Lake Tanganyika aquarium: 5-20 °dGH

Plant aquarium with few fish (aquascaping): 3-10 °dGH

Marine aquarium: not measurable with GH test because GH too high. Please test calcium and magnesium separately Pond: 6-20 °dGH

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





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## Product details

Article data		
Product name	JBL PROAQUATEST GH General hardness	JBL PROAQUATEST GH REFILL
Art. No.	2410817	2410919
EAN number	4014162056870	4014162069047
EAN as barcode		
For	Set	Refill
-	-	-
Expiry months	24	24
RRP incl. VAT	12,76 €	6,97 €
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 GH General hardness	JBL PROAQUATEST GH REFILL
Art. No.	2410817	2410919
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 GH General hardness	JBL PROAQUATEST GH REFILL
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Features		
Animal species	Armored catfish, Arowana, Axolotl, Barbels, Bettas, Bichirs/ reedfish, Blowfish, Catfish, Cichlids (South America), Clawed frogs, Clawed shrimps, Crayfish, Crustaceans, Danions, Discus, Dwarf crayfish, Dwarf shrimps, Flowerhorn, Gill maggots, 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, Crayfish, Crustaceans, Danions, Discus, Dwarf crayfish, Dwarf shrimps, Flowerhorn, Gill maggots, 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 GH General hardness	JBL PROAQUATEST GH REFILL
Art. No.	2410817	2410919
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 GH General hardness	JBL PROAQUATEST GH REFILL
Art. No.	2410817	2410919
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	-	-
Hose connections suction/in	-	-





Technical data		
Delivery head	-	-





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Food type	-
Sub product type	-
Dosing	See instructions










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## Safety information

JBL GH - safety information in accordance with GHS	
Signal word	Warning
Hazard symbol	 
Risk phrase	H226: Flammable liquid and vapour. 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. P210e: Keep away from flames and hot surfaces. No smoking. P241: Use explosion-proof [electrical/ventilating/lighting] equipment. 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 GH General hardness	JBL PROAQUATEST GH REFILL
Art. No.	2410817	2410919
VAT	23%	23%
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 GH General hardness	JBL PROAQUATEST GH REFILL
Art. No.	2410817	2410919
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 GH General hardness	JBL PROAQUATEST GH REFILL
Art. No.	2410817	2410919
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 GH General hardness	JBL PROAQUATEST GH REFILL
Art. No.	2410817	2410919
Till receipt text	Test KH	Refill GH
Shelf placement	Test shelf, water treatment troubleshooting	Test shelf, water treatment troubleshooting