



# JBL PROAQUATEST Mg-Ca Magnesium-Calcium

Quick test to determine magnesium/calcium

Suitable for:



- Simple and reliable monitoring of the aquarium water values. Determines the ideal magnesium and calcium value for vigorous and healthy growth in corals and calciferous red algae
- Easy to use: first carry out the calcium test, then the magnesium test; subtract the result of the calcium test from the result of the magnesium test – the result gives you the magnesium content
- Reach: the number of measurements depends on the level of the calcium and magnesium content
- You will find detailed information and troubleshooting tips about water analysis on the JBL website in Essentials/Aquarium or Pond
- Package contents: 1 test kit Mg and 1 test kit Ca, incl. 5 reagents, 2 plastic cuvettes, syringe and dosing spoon. Reagent refill separately available

You may also be interested in

You can find a complete overview here: <https://www.jbl.de/qr/24136>



## JBL PROAQUATEST Ca Calcium

Quick test to determine the calcium content



## JBL PROAQUATEST LAB Marin

Professional test case for marine water analysis



## JBL PROAQUATEST COMBISET Marin

Test case for water analyses in marine aquariums





# JBL PROAQUATEST Mg-Ca Magnesium-Calcium

## Accessories



### JBL PROAQUATEST Ca Calcium

Quick test to determine the  
calcium content



### JBL PROAQUATEST Mg- Ca Magnesium-Calcium

Quick test to determine  
magnesium/calcium



# JBL PROAQUATEST Mg-Ca Magnesium-Calcium

 Spare parts



JBL component set for water tests



JBL PROAQUATEST range colour charts



# JBL PROAQUATEST Mg-Ca Magnesium-Calcium



## Product information

Healthy aquariums with conditions close to nature

The right water values are dependent on the fish stock, any algae present and the corals. 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.

Why test?

Along with calcium, magnesium creates the general hardness. Magnesium is, like potassium, a macroelement, which is necessary for the healthy and vigorous growth of corals. Too low calcium and magnesium levels affect coral growth and prevent beautiful calciferous red algae from growing.

Recommended calcium values:

Marine water aquarium: 1200-1600 mg/l


You can analyse the water values you have measured in the JBL Online Laboratory free of charge and receive recommendations.

In recent years we had observed that our magnesium test with the factor 100 was showing too little magnesium. On expeditions to the "original marine water," however, we were still able to measure the correct values, and this indicated that the low measurements were due to the artificially prepared marine water.

After that we carried out extensive tests with the various salt mixtures available on the market from various suppliers. The difference to original marine water came from the recently used magnesium salts and trace elements in the sea salt mixture, which caused a deviation of about 20-30%.

After our tests we modified the instructions in order to increase the multiplication factor from 100 to 120 in order to adapt it to the sea salt mixtures currently on sale.

As a result we can once again carry out precise measurements on artificial sea salts by using factor 120. With natural marine water we still use factor 100.

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





# JBL PROAQUATEST Mg-Ca Magnesium-Calcium

## Product details

| Article data             |   |                           |
|--------------------------|---|---------------------------|
| Product name             | JBL PROAQUATEST Mg-Ca Magnesium-Calcium | JBL PROAQUATEST Mg REFILL |
| Art. No.                 | 2413600                                 | 2413700                   |
| EAN number               | 4014162241368                           | 4014162241375             |
| EAN as barcode           |   |                           |
| For                      | Set                                     | Refill                    |
| -                        | -                                       | -                         |
| Expiry months            | 36                                      | 36                        |
| RRP incl. VAT            | 36,54 €                                 | 10,76 €                   |
| Base price               | -                                       | -                         |
| Nominal filling quantity | -                                       | -                         |
| Base quantity            | 1                                       | 1                         |
| Gross weight             | 155 g                                   | 48.5 g                    |
| Net weight               | 88 g                                    | 21 g                      |
| Weight change            | -                                       | -                         |

| Disposal                |   |                           |
|-------------------------|---|---------------------------|
| Product name            | JBL PROAQUATEST Mg-Ca Magnesium-Calcium | JBL PROAQUATEST Mg REFILL |
| Art. No.                | 2413600                                 | 2413700                   |
| 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           | 40 g                                    | 20 g                      |
| Plastic large           | -                                       | -                         |
| Disposal weight metal   | 0 g                                     | 0 g                       |

| Features          |   |                           |
|-------------------|---|---------------------------|
| Product name      | JBL PROAQUATEST Mg-Ca Magnesium-Calcium | JBL PROAQUATEST Mg REFILL |
| Art. No.          | 2413600                                 | 2413700                   |
| Animal species    | Corals, Gobies, Snails                  | Corals, Gobies, Snails    |
| Animal size       | For all animal sizes                    | For all animal sizes      |
| Animal age group  | All aquarium fish                       | All aquarium fish         |
| Volume of habitat | -                                       | -                         |



| Features             |  |  |
|----------------------|--|--|
| 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 Mg-Ca Magnesium-Calcium

| Electronic label / illuminant |   |                           |
|-------------------------------|---|---------------------------|
| Product name                  | JBL PROAQUATEST Mg-Ca Magnesium-Calcium | JBL PROAQUATEST Mg REFILL |
| Art. No.                      | 2413600                                 | 2413700                   |
| 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 Mg-Ca Magnesium-Calcium | JBL PROAQUATEST Mg REFILL |
| Art. No.                      | 2413600                                 | 2413700                   |
| 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                        | 105 mm                                  | 48 mm                     |
| Width                         | 43 mm                                   | 24 mm                     |
| Diameter                      | -                                       | -                         |
| 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 Mg-Ca Magnesium-Calcium

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





# JBL PROAQUATEST Mg-Ca Magnesium-Calcium

## Safety information

| JBL Mg 1 - safety information in accordance with GHS |   |
|--|---|
| Signal word  | Danger  |
| Hazard symbol  |   |
| Risk phrase  | H226: Flammable liquid and vapour.<br>H302: Harmful if swallowed.<br>H314: Causes severe skin burns and eye damage.<br>H318: Causes serious eye damage.<br>H335: May cause respiratory irritation.<br>H373: May cause damage to organs through prolonged or repeated exposure.<br>H412: Harmful to aquatic life with long lasting effects.  |
| 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. |
| Hazard-determining component                         | 1310-58-3: potassium hydroxide<br>1310-73-2: sodium hydroxide<br>1336-21-6: ammonia<br>60-00-4: edetic acid   |

| JBL Mg 2 - safety information in accordance with GHS |   |
|--|---|
| Signal word  | Danger  |
| Hazard symbol  |   |
| Risk phrase  | H314: Causes severe skin burns and eye damage.<br>H318: Causes serious eye damage.<br>H373: May cause damage to organs through prolonged or repeated exposure.  |
| 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. |
| Hazard-determining component                         | 1310-73-2: sodium hydroxide<br>60-00-4: edetic acid   |





## JBL PROAQUATEST Ca Calcium

| JBL Ca 1 - safety information in accordance with GHS |   |
|--|---|
| Signal word  | Danger  |
| Hazard symbol  |   |
| Risk phrase  | H302: Harmful if swallowed.<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. |
| Hazard-determining component                         | 1310-58-3: potassium hydroxide<br>1310-73-2: sodium hydroxide   |

| JBL Ca 3 - safety information in accordance with GHS |   |
|--|---|
| Signal word  | Danger  |
| Hazard symbol  |   |
| Risk phrase  | 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. |
| Hazard-determining component                         | 1310-73-2: sodium hydroxide   |

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



## Additional information for the specialist trade sector

| Article data         |  |                               |
|----------------------|--|-------------------------------|
| Product name         | JBL PROAQUATEST Mg-Ca<br>Magnesium-Calcium | JBL PROAQUATEST Mg REFILL     |
| Art. No.             | 2413600                                    | 2413700                       |
| VAT                  | 21%  | 21%                           |
| 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 Mg-Ca<br>Magnesium-Calcium | JBL PROAQUATEST Mg REFILL |
| Art. No.         | 2413600                                    | 2413700                   |
| 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 Mg-Ca<br>Magnesium-Calcium | JBL PROAQUATEST Mg REFILL |
| Art. No.         | 2413600                                    | 2413700                   |
| 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 Mg-Ca<br>Magnesium-Calcium                               | JBL PROAQUATEST Mg REFILL  |
| Art. No.          | 2413600  | 2413700  |
| Till receipt text | Test Mg/Ca   | Refill Mg  |
| Shelf placement   | Test shelf, water treatment<br>troubleshooting, marine water<br>products | Test shelf, water treatment<br>troubleshooting, marine water<br>products |