



# JBL PROAQUATEST NH4 Ammonium

Quick test to determine the ammonium/ammonia content

Suitable for:



- Simple and reliable monitoring of ammonium (NH<sub>4</sub>) and ammonia (NH<sub>3</sub>) in aquariums/ponds. Checks the biological balance (bacterial activity) in freshwater and marine water
- Laboratory comparator system to compensate the inherent water colour: fill glass vials with sample water, add reagents to one vial, place vials in holder, read values off colour chart and table
- Use: when setting up a new freshwater aquarium: once a day. Initial setup with marine water: once a week. For use in case of fish diseases or fish deaths.
- You will find detailed information and troubleshooting tips about water analysis on the JBL website in Essentials/Aquarium or Pond
- Package contents: 1 quick test, ammonium test NH<sub>4</sub> for approx. 50 measurements. Incl. 3 reagents, 2 glass vials with screw caps, syringe, comparator block and colour scale. Reagent refill separately available

You may also be interested in

You can find a complete overview here: <https://www.jbl.de/qr/24121>



## 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 Marin

Professional test case for marine water analysis



## JBL PROAQUATEST COMBISET Marin

Test case for water analyses in marine aquariums





# JBL PROAQUATEST NH4 Ammonium

 Spare parts



JBL component set for water tests



JBL PROAQUATEST range colour charts





# JBL PROAQUATEST NH4 Ammonium



## 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 degradation or mineralisation process of all organic substances in the aquarium and pond follows these stages: proteins > ammonium > nitrite > nitrate. By measuring these stages conclusions can be drawn about the “functioning” of the systems aquarium and pond. If the ammonium or nitrite level is too high it can lead to disturbances of the bacterial balance. Ammonium is not usually measurable in a well-kept aquarium with an effective biological filter or in a properly set up garden pond. Ammonium is an important plant nutrient and normally non-toxic for fish. But depending on the pH value, ammonia, which is toxic for fish, can be formed from the ammonium ion.

### Recommended ammonium values:

Freshwater aquarium (community aquarium): < 0.25 mg/l


Lake Malawi/Lake Tanganyika aquarium: < 0.25 mg/l

Plant aquarium with few fish (aquascaping): < 0.25 mg/l

Marine aquarium: 0-0.25 mg/l

Pond: <0.1 mg/l

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

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





# JBL PROAQUATEST NH4 Ammonium



## Product details

| Article data             |                              |                            |
|--------------------------|------------------------------|----------------------------|
| Product name             | JBL PROAQUATEST NH4 Ammonium | JBL PROAQUATEST NH4 REFILL |
| Art. No.                 | 2412100                      | 2412200                    |
| EAN number               | 4014162241214                | 4014162241221              |
| EAN as barcode           |                              |                            |
| For                      | 50 Tests                     | Refill                     |
| -                        | -                            | -                          |
| Expiry months            | 24                           | 24                         |
| RRP incl. VAT            | 21,57 €                      | 12,34 €                    |
| Base price               | -                            | -                          |
| Nominal filling quantity | -                            | -                          |
| Base quantity            | 1                            | 1                          |
| Gross weight             | 165 g                        | 69 g                       |
| Net weight               | 108 g                        | 31 g                       |
| Weight change            | -                            | -                          |

| Disposal                |                              |                            |
|-------------------------|------------------------------|----------------------------|
| Product name            | JBL PROAQUATEST NH4 Ammonium | JBL PROAQUATEST NH4 REFILL |
| Art. No.                | 2412100                      | 2412200                    |
| 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           | 30 g                         | 30 g                       |
| Plastic large           | -                            | -                          |
| Disposal weight metal   | 0 g                          | 0 g                        |

| Features     |                              |                            |
|--------------|------------------------------|----------------------------|
| Product name | JBL PROAQUATEST NH4 Ammonium | JBL PROAQUATEST NH4 REFILL |
| Art. No.     | 2412100                      | 2412200                    |





| 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, 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, 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 NH4 Ammonium

| Electronic label / illuminant |                              |                            |
|-------------------------------|------------------------------|----------------------------|
| Product name                  | JBL PROAQUATEST NH4 Ammonium | JBL PROAQUATEST NH4 REFILL |
| Art. No.                      | 2412100                      | 2412200                    |
| 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 NH4 Ammonium | JBL PROAQUATEST NH4 REFILL |
| Art. No.                      | 2412100                      | 2412200                    |
| 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                       | 72 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 | -                            | -                          |
| Hose connections suction/in   | -                            | -                          |





| Technical data |   |   |
|----------------|---|---|
| Delivery head  | - | - |





# JBL PROAQUATEST NH4 Ammonium

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







# JBL PROAQUATEST NH4 Ammonium



## Safety information


| JBL NH4 1 - safety information in accordance with GHS |   |
|---|---|
| Signal word   | Danger  |
| Hazard symbol   |   |
| Risk phrase   | EUH031: Contact with acids liberates toxic gas.<br>H225: Highly flammable liquid and vapour.<br>H314: Causes severe skin burns and eye damage.<br>H336: May cause drowsiness or dizziness.<br>H400: Very toxic to aquatic life.<br>H411: Toxic 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                          | 1310-73-2: sodium hydroxide<br>67-63-0: propan-2-ol<br>7681-52-9/1: sodium hypochlorite, solution   |

| JBL NH4 2 - safety information in accordance with GHS |   |
|---|---|
| Signal word   | Danger  |
| Hazard symbol   |   |
| Risk phrase   | EUH031: Contact with acids liberates toxic gas.<br>H314: Causes severe skin burns and eye damage.<br>H318: Causes serious eye damage.<br>H400: Very toxic to aquatic life.<br>H411: Toxic 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                          | 1310-73-2: sodium hydroxide<br>7681-52-9/1: sodium hypochlorite, solution   |





| JBL NH4 3 - safety information in accordance with GHS |   |
|---|---|
| Signal word   | Danger  |
| Hazard symbol   |     |
| Risk phrase   | H225: Highly flammable liquid and vapour.<br>H315: Causes skin irritation.<br>H319: Causes serious eye irritation.<br>H336: May cause drowsiness or dizziness.  |
| 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                          | 67-63-0: propan-2-ol  |

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





## Additional information for the specialist trade sector

| Article data         |                              |                               |
|----------------------|------------------------------|-------------------------------|
| Product name         | JBL PROAQUATEST NH4 Ammonium | JBL PROAQUATEST NH4 REFILL    |
| Art. No.             | 2412100                      | 2412200                       |
| 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 NH4 Ammonium | JBL PROAQUATEST NH4 REFILL |
| Art. No.         | 2412100                      | 2412200                    |
| 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 NH4 Ammonium | JBL PROAQUATEST NH4 REFILL |
| Art. No.         | 2412100                      | 2412200                    |
| 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 NH4 Ammonium                | JBL PROAQUATEST NH4 REFILL                  |
| Art. No.          | 2412100                                     | 2412200                                     |
| Till receipt text | Test NH4                                    | Refill NH4                                  |
| Shelf placement   | Test shelf, water treatment troubleshooting | Test shelf, water treatment troubleshooting |