



# JBL BioNitratEx

Biological filter material for the removal of nitrate

Suitable for:



- Biological filter material which is degraded by bacteria to remove algae-promoting nitrate from freshwater and marine water
- Just add filter material to internal or external filter and only refill when it has been degraded by the bacteria after approx. 6 month
- Bacteria settle on the bio balls and form a thick biofilm. Underneath the oxygen level drops, so that the bacteria there can remove oxygen from the nitrate and thus degrade it
- Water stabilising effect: since pH decreasing acids are created during the bacterial degradation processes, the bio balls contain acid binding minerals to stabilise the water
- Package contents: 100 bio balls for the nitrate breakdown in 200-300 litres aquarium water; 1 ball / 2-3 litres of water

You may also be interested in

You can find a complete overview here: <https://www.jbl.de/qr/62536>



**JBL FilterPad VL**  
 Cotton fleece for CristalProfi  
 aquarium filters



**JBL FilterPad F15**  
 Coarse foam pad for aquarium  
 filter CristalProfi



**JBL FilterPad F35**  
 Fine foam pad for aquarium  
 filter CristalProfi



**JBL CombiBloc  
 CristalProfi e**  
 Pre-filter pads and filter foam  
 for CristalProfi e





# JBL BioNitratEx



## Product information

If you don't get anything to eat you'll starve to death:

Nitrates and phosphates form main nutrients for algae. If one or both nutrients are withdrawn from the water, the algae will stop growing! However, bacteria only break down nitrate under specific conditions. Only when there is no longer any oxygen, but there is a carbon source (a nutrient for bacteria) available, do the bacteria remove the oxygen from the nitrate, thus breaking it down.


That's how JBL BioNitratEx works:

Bacteria settle on the surface of the JBL BioNitratEx balls within about 4 weeks and form a thick biofilm. Beneath the biofilm a low-oxygen zone forms, in which the bacteria then switch to "nitrate respiration" to degrade the algae-promoting nitrate (NO<sub>3</sub>). The bio balls serve the bacteria as food and the nitrate serves as a supplier of oxygen. That's why the bio balls become smaller as time goes by (easy to check visually) and disappear completely. This takes about 6-12 months, depending on the nitrate pollution. Then you'll need to replace the bio balls.

Snails: If lots of snails reach the JBL BioNitratEx balls they will eat the biofilms from the balls' surface. As a result oxygen will reenter the lowest bacterial layers, which then will no longer need to dissolve the oxygen from the nitrate in order to break it down with it. If you have a lot of snails it is better to put the JBL BioNitrat Ex balls into a fine bag to block the snails' access.

The difference to JBL NitratEx:

JBL BioNitratEx works on a purely biological basis through bacterial nitrate breakdown. In contrast JBL NitratEx is a synthetic resin which binds nitrate from the water (freshwater only!) and replaces it with harmless chloride (ion exchanger function principle). The advantage of this system is that it works quickly and you can use it to remove nitrate from tap or well water etc.

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





# JBL BioNitratEx



## Product details

Article data	
Product name	JBL BioNitratEx
Art. No.	6253600
EAN number	4014162625366
EAN as barcode	
Content	100 pcs.
For	200-300 l
Expiry months	-
RRP incl. VAT	29,94 €
Base price	0.3 €
Nominal filling quantity	100
Base quantity	1
Gross weight	252 g
Net weight	210 g
Weight change	-

Disposal	
Product name	JBL BioNitratEx
Art. No.	6253600
Green dot	✓
Group electronic waste	-
Disposal weight	-
Battery type	-
Battery return	-
Battery rechargeable	-
Disposal weight battery	-
Non-returnable glass	-
PPK	40 g
Plastic small	2 g
Plastic large	-
Disposal weight metal	0 g

Features	
Product name	JBL BioNitratEx
Art. No.	6253600





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, Tetra, Tropical terrapins, Veiltails, blood parrot cichlids, freshwater butterflyfish, turtle
Animal size	For all animal sizes
Animal age group	All aquarium fish
Volume of habitat	90-300 L (80-120cm)
Material	Bioplastics (PHA polyhydroxyalkanoate)
Food type	-
Colour	natural
Dosage	100 balls for 200l aquarium water
Transport conditions	-



# JBL BioNitratEx

Electronic label / illuminant	
Product name	JBL BioNitratEx
Art. No.	6253600
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 BioNitratEx
Art. No.	6253600
Range in litres	-
Range from - to	-
Range in days	-
Range tank length	-
Output in watts	-
Output per hour	-
Output per day	-
Height	-
Length	-
Width	-
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	-
Delivery head	-





# JBL BioNitratEx

Food type	-
Sub product type	-
Dosing	100 balls for 200l aquarium water





## Additional information for the specialist trade sector

Article data	
Product name	JBL BioNitratEx
Art. No.	6253600
VAT	19%
Sales unit (SU)	6
Volume packaging	1.05l
Dimensions (l/w/h)	43 mm/125 mm/225 mm
Layer	216
Pallet	864
Category of products	2
Customs tariff	39079980
Country of origin	FR
Type of packaging	Faltschachtel/Karton

PU 1 data	
Product name	JBL BioNitratEx
Art. No.	6253600
PU 1 material	film gr
PU 1 weight	9 g
PU 1 length	125 mm
PU 1 width/depth	360 mm
PU 1 height	225 mm

PU 2 data	
Product name	JBL BioNitratEx
Art. No.	6253600
PU 2 material	cardboard gr
PU 2 weight	365 g
PU 2 length	255 mm
PU 2 width/depth	260 mm
PU 2 height	275 mm

Trade data	
Product name	JBL BioNitratEx
Art. No.	6253600
Till receipt text	JBLBioNitratEx
Shelf placement	-