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What is new ?

1) New packaging

2) New presentation

3) New dosing spoon

4) New formula (JBL AquaDur M/T), modified formula (JBL AquaDur)

5) New instructions (JBL AquaDur revised and JBL AquaDur Malawi/Tanganjika rewritten)

Speaker:
Dr. Ralf Rombach

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Packaging

The new resealable packaging prevents the salt mixtures from clumping as a result of air humidity.

The folding box provides more room for information and graphic presentation of the product.

The format makes for convenient and practical use.

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Presentation

JBL AquaDur plus (old): Hardening salt for soft water and osmosis water

Raises the general hardness and carbonate hardness
Stabilises the pH level
Suitable for all kinds of soft water
With "bioelements" (esothericism)

JBL AquaDur (new): Minerals for soft water and osmosis water

Increased KH and balanced pH to meet the natural needs of individual species
Helps prevent mineral deficiency in fish and plants
Adds minerals to every soft water the same as they occur in the habitat of the tank inhabitants
Convenient dosage with the dosing spoon that is included.

Modified formula with the addition of rare trace elements.

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Presentation

JBL AquaDur M/T (old) water conditioning salt for East African cichlids

Promotes the wellbeing of all cichlids from Lakes Malawi and Tanganyika by reproducing the water conditions that are typical of these waters
Promotes the animals' health and readiness to spawn
Buffers the pH level in the required alkaline range around 8 – 9, thereby producing optimal aquarium conditions

JBL AquaDur M/T (new) minerals for ensuring ideal water parameters for East African cichlids

Promotes the wellbeing and readiness to spawn of all cichlids from Lakes Malawi and Tanganyika.
Increases the hatching rate of juvenile fish and improves growth and coloration.
Produces ideal ion conditions comparable to Lakes Malawi and Tanganyika
Stabilises the pH level in the alkaline range at 8 – 9
Raises the carbonate hardness to over the general hardness to meet the natural needs of the individual species

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Dosing spoon

Left (old spoon, 4.5 ml) level

Centre: What now ?

Right: 18.75 g (AquaDur) or 20 g (AquaDur M/T)

Dosing made easier and more accurate.

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New AquaDur Malawi/Tanganjika formula

The formula was improved and adjusted more precisely to the required target water values compared to the current formula.

As a result, you can use a special dosage form to obtain the precise water values required for both Lake Malawi and Lake Tanganyika;

And that, despite the fact that the lakes have very different water values.

Rounded values	Unit	Lake Malawi	Lake Tanganyika
Conductivity at 25 °C	µS/cm	240	650
General hardness	°dH	4.4	11.2
Carbonate hardness	°dKH	6,6	17.6
Calcium	mg/l	19	11.6
Magnesium	mg/l	7.5	42
Sodium	mg/l	19	64
Potassium	mg/l	6	33
Hydrogen carbonate	mg/l	136	
Carbonate	mg/l		192
Chloride	mg/l	5	28
Sulphate	mg/l	1	5

No major changes were made to the formula of AquaDur, as it was already excellent.

Merely a trace element mixture was added.

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The new JBL AquaDur Malawi/Tanganjika instructions

The somewhat rudimentary instructions for JBL AquaDur M/T were a weak point.

They have been renewed now with a short introduction and more precise instructions:

1) Lake Malawi aquarium:
a) Osmosis water
30 g / 100 l of JBL AquaDur Malawi/Tanganjika are needed for the targeted adjustment of the water parameters of osmosis water.
b) Tap water
The dosage for tap water essentially depends on the carbonate hardness of the tap water (can be determined by the JBL KH test). The following table provides an overview for dosing:

Lake Malawi	Dosage	Number of
Measured carbonate hardness	AquaDur M/T	level dosing
[°dKH]	g/100l	spoons
0	30	ca. 1.5
2	20.5	ca. 1
4	11.6	ca. 0.5
6	2.7	ca. 0.1
7 or more	0.0	0

Lake Tanganyika	Dosage	Number of
Measured carbonate hardness	AquaDur M/T	level
[°dKH]	g/100l	dosing spoons
0	78.7	ca. 4
2	69.8	ca. 3.5
4	60.9	ca. 3
6	51.9	ca. 2.5
8	43.0	ca. 2
10	34.0	ca. 1.5
12	25.1	ca. 1
14	16.1	ca. 0.75
16	7.2	ca. 0.3
18 or more	0	0

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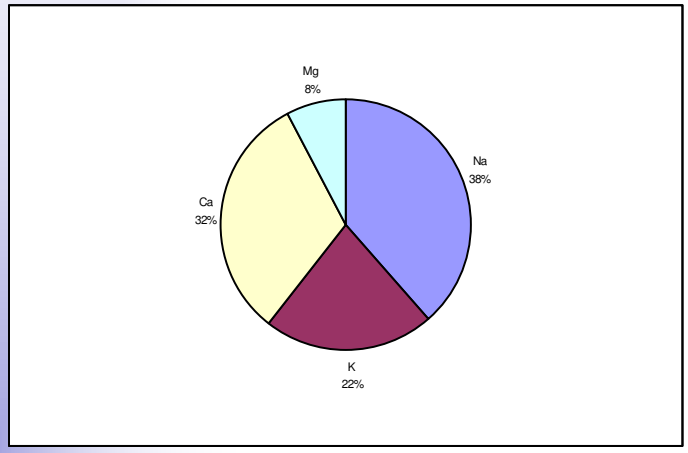
New JBL AquaDur Malawi/Tanganjika formula

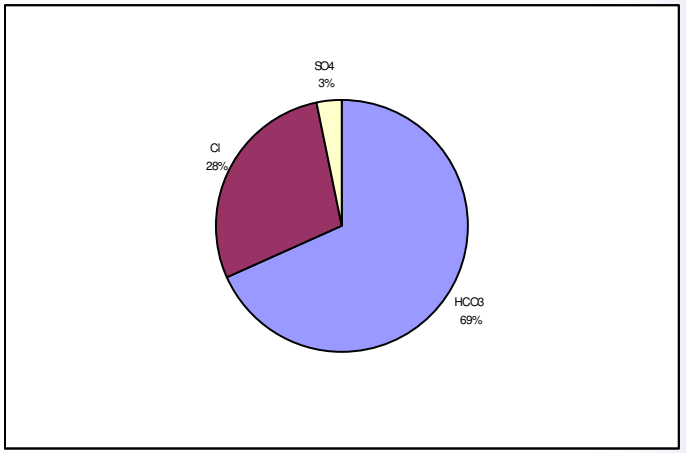
The ion spectrum is indicated analogously to JBL AquaDur:

JBL AquaDur Malawi/Tanganjika

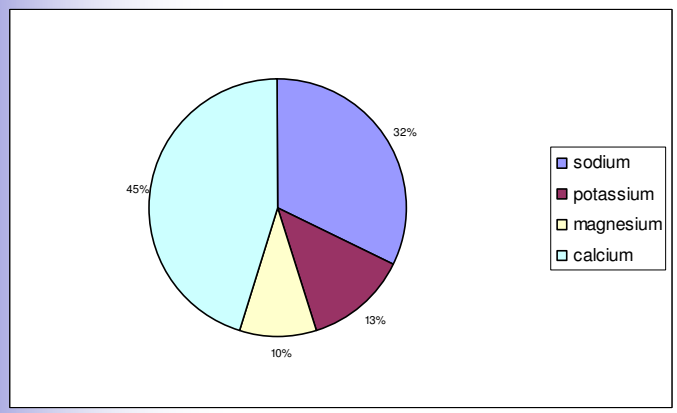
Cations

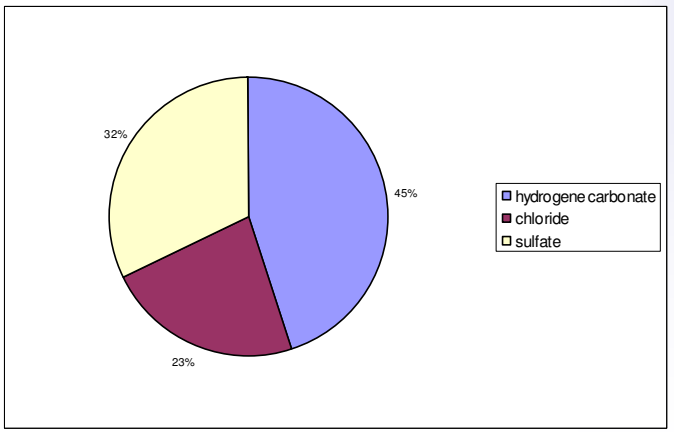


Anions



JBL AquaDur





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Dosage instructions for JBL AquaDur

Dosage:
A dosing spoon (level, approx. 18.75 g) raises 100 l of water to 2.5 °d KH and 3.2 °d GH. The conductivity value is increased by approx. 210 µS/cm.

a) Osmosis water
When reverse osmosis water is used, the amount of JBL AquaDur required depends on the target value of the carbonate hardness (° d KH). The following table provides an overview:

Target value [° d KH]	Dosage of JBL AquaDur g/100 l	Number of level dosing spoons
5	37.5	2
7	52.5	ca. 3
9	67.5	ca. 3.5
11	82.5	ca. 4.5

b) Tap water
The dosage for tap water essentially depends on the carbonate hardness of the tap water and the target value in the aquarium (can be determined by the JBL KH test). The following table provides an overview of dosage:

Tap water initial value [° d KH]	Target value [° d KH]	Dosage of JBL AquaDur g/100 l	Number of level dosing spoons
2	5	22.5	ca. 1.2
2	7	37.5	2
2	9	52.5	ca. 3
2	11	67.5	ca. 3.5
4	5	7.5	ca. 0.5
4	7	22.5	ca. 1.2
4	9	37.5	ca. 3
4	11	52.5	ca. 3
6	7	7.5	ca. 0.5
6	9	22.5	ca. 1.2
6	11	37.5	2
8	9	7.5	ca. 1.2
8	11	22.5	ca. 1.2
10	11	7.5	ca. 1.2

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We wish you

success with our new

JBL AquaDur

JBL AquaDur M/T