



User: Doug Jacobs
Analysis ID: 224461

Tank ID: 72909

Date: 12.04.2023

Base elements	Value	Ideal value	Difference	Status
Salinity	36.87 PSU	35.00 PSU	+1.87 PSU	✓

Carbonate hardness	9.08 °dKH	7.50 °dKH	+1.58 °dKH	✓
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Major elements	Value	Ideal value	Difference	Status
Chloride	20911 mg/l	20562 mg/l	+348.6 mg/l	✓

Sodium	11230 mg/l	11424 mg/l	-193.50 mg/l	✓
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Magnesium	1642 mg/l	1366 mg/l	+276.4 mg/l	✗
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Sulfur	968.2 mg/l	955.4 mg/l	+12.78 mg/l	✓
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Calcium	557.2 mg/l	437.2 mg/l	+120.0 mg/l	↑
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Potassium	449.5 mg/l	423.7 mg/l	+25.79 mg/l	✓
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Bromine	83.77 mg/l	69.58 mg/l	+14.19 mg/l	✓
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Strontium	12.07 mg/l	8.31 mg/l	+3.76 mg/l	✗
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Boron	5.07 mg/l	4.57 mg/l	+0.50 mg/l	✓
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Fluorine	1.05 mg/l	1.35 mg/l	-0.30 mg/l	✓
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Minor elements	Value	Ideal value	Difference	Status
Lithium	717.5 µg/l	176.5 µg/l	+541.0 µg/l	✗

Silicon	773.5 µg/l	103.8 µg/l	+669.6 µg/l	↑
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Iodine	29.37 µg/l	67.50 µg/l	-38.13 µg/l	↓
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Barium	28.07 µg/l	10.38 µg/l	+17.68 µg/l	✓
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Molybdenum	5.04 µg/l	12.46 µg/l	-7.42 µg/l	✗
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Nickel	n.u	0.52 µg/l		✓
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Manganese	n.u	1.04 µg/l		
Arsenic	n.u	1.56 µg/l		
Beryllium	n.u	0.10 µg/l		
Chrome	n.u	0.52 µg/l		
Cobalt	n.u	0.10 µg/l		
Iron	n.u	0.52 µg/l		
Copper	2.59 µg/l	0.52 µg/l	+2.07 µg/l	
Selenium	n.u	0.52 µg/l		
Silver	n.u	0.10 µg/l		
Vanadium	1.17 µg/l	1.56 µg/l	-0.39 µg/l	
Zinc	1.03 µg/l	2.08 µg/l	-1.05 µg/l	
Tin	4.13 µg/l	0.52 µg/l	+3.61 µg/l	

Nutrients	Value	Ideal value	Difference	Status
Nitrate	78.82 mg/l	2.00 mg/l	+76.82 mg/l	
Phosphorus	236.0 µg/l	15.58 µg/l	+220.4 µg/l	
Phosphate	0.72 mg/l	0.05 mg/l	+0.67 mg/l	

Pollutants	Value	Ideal value	Difference	Status
Aluminium	30.35 µg/l	0.10 µg/l	+30.25 µg/l	
Antimony	n.u	0.10 µg/l		
Bismuth	n.u	0.10 µg/l		
Lead	n.u	0.10 µg/l		
Cadmium	n.u	0.21 µg/l		



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Lanthanum	n.u	n.u µg/l	✓
Thallium	n.u	0.10 µg/l	✓
Titanium	n.u	0.10 µg/l	✓
Tungsten	n.u	n.u µg/l	✓
Mercury	n.u	n.u µg/l	✓



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Recommendations:

Supplement	Priority	Action	Daily dosis	Unit	Days
Molybdän	Recommended Dosage		1,60	ml	2
Zink	Recommended Dosage		0,40	ml	1
Mangan	Recommended Dosage		0,40	ml	1
Iod (100 ml Flasche/bottle)	Important	Dosage	0,20	ml	2

Additional action: stop dosage of calcium temporarily or change 2 x 15% of water

Additional action: use silicat adsorber (check RO water)

Additional action: We recommend to use GFO