

Tank:

Aquael Leddy 75 (105 L, 75x35x40 cm)

Filter: Aquael ASAP 500 (with homemade prefilter and sponge redirecting the flow from the surface)

Heater (with guard): Bonlux 100W

Air pump: Zacro dual outlet

Lighting: Retrofit Day & Night

Substrate: 5L lava gravel at the back, layer of Rotala Malflora Light Aquarium Soil and Ada La Plata sand covering the gravel and soil.

Hardscape: Seiryu stone and mangle wood

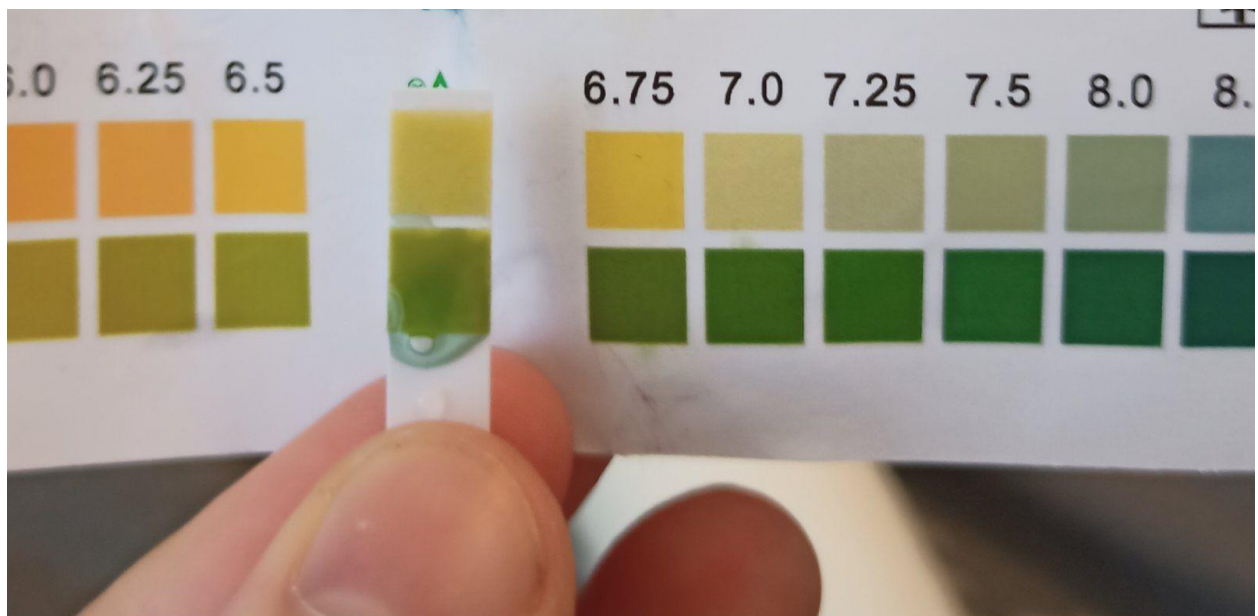
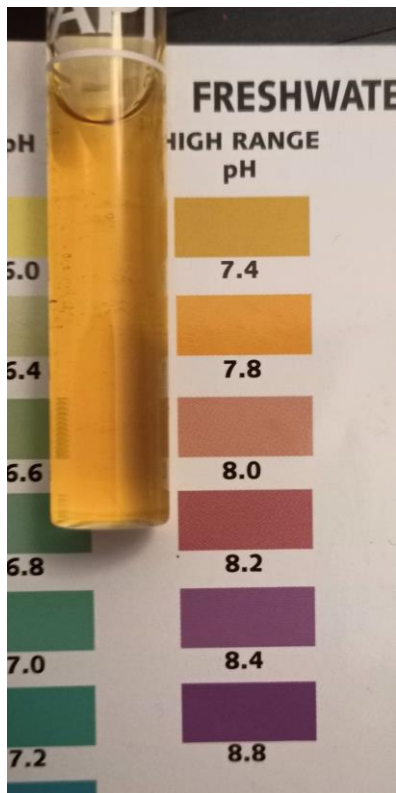
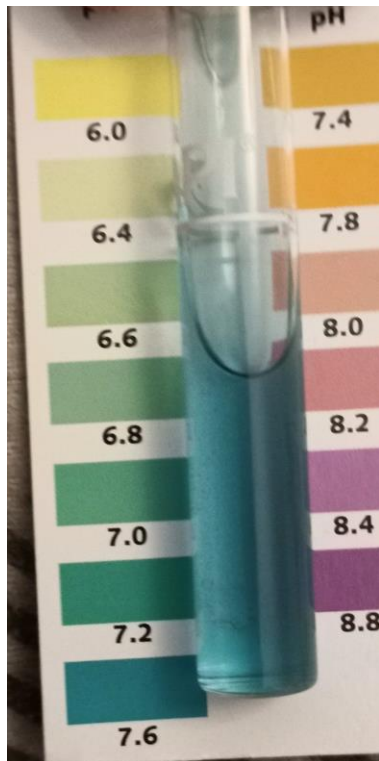
Aquarium plants:

- *Ludwigia repens* 'Rubin'
- *Cryptocoryne wendti* 'Broad Leaf'
- *Lobelia cardinalis* 'Mini'
- *Ceratophyllum demersum*
- *Rotala rotundifolia*
- *Sagittaria subulata*
- *Microsorium pteropus*
- *Bacopa australis*
- *Echinodorus bleheri*
- *Cryptocoryne wendtii* 'Green'
- *Hydrocotyle leucocephala*
- *helanthium tenellum* 'broad leaf'
- *cryptocoryne parva*
- *helanthium tenellum* 'red'
- *Eleocharis vivipara*

Water:

- Dechlorinated with Seachem Prime

PH tests from today and GH/KH on test strip (07/09/23)



OR ACCURATE RESULT



Keep wet fingers
out of the bottle



Close cap tightly
after removing a st



Read results
in natural light



Store in a cool
dry place

INSTRUCTIONS:

Dip strip for
seconds and remove

Do NOT shake excess water
old strip level (pads facing up)
60 seconds

Read immediately
discard after
seconds)

For maximum accuracy, use
within 6 months of
opening the bag

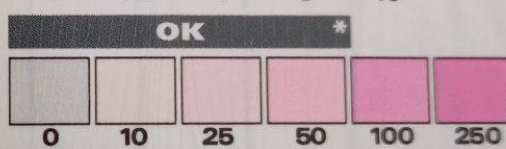
**General
Hardness (GH)**
ppm (mg/L)**



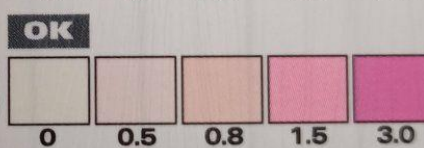
Nitrite (NO₂⁻)
ppm (mg/L)



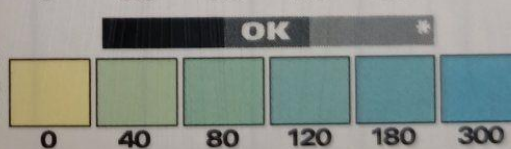
Nitrate (NO₃⁻)
ppm (mg/L)



Chlorine (Cl₂)
ppm (mg/L)



**Carbonate
Hardness (KH)**
ppm (mg/L)**

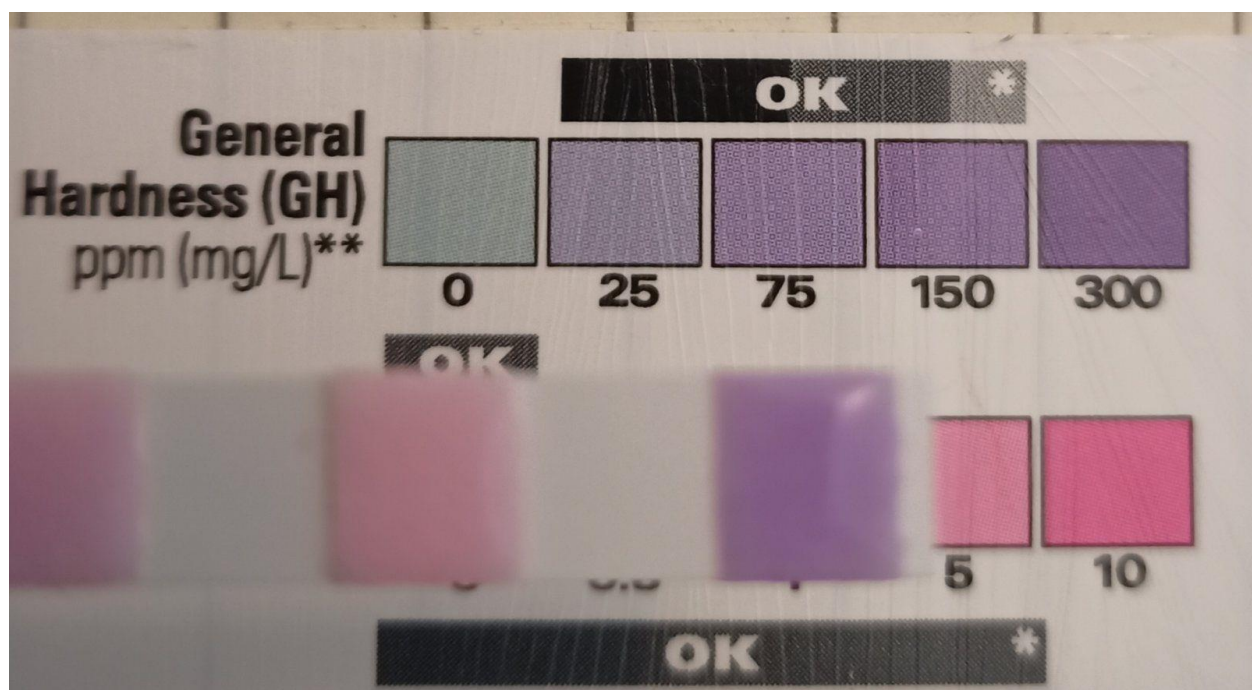
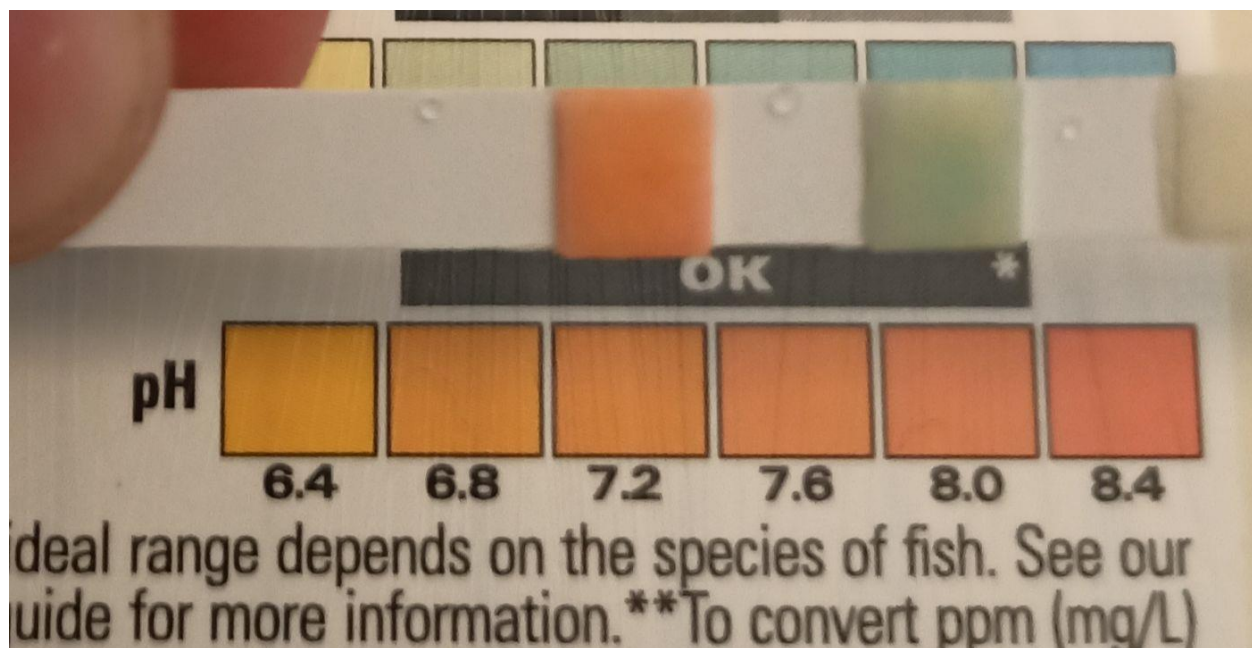


pH



*The ideal range depends on the species of fish. See our
mini-guide for more information. **To convert ppm (mg/L)
to dGH, divide by 17.86 (1 dGH = 17.86 ppm).

EXP: Mar.13.2025 Batch No. CB2801





Date Range:	12th to 18th August 2023						
Days:	Sat	Sun	Mon	Tues	Wed	Thurs	Fri
Ammonia:	0.50 ppm	1.00 ppm		1.00 ppm		0.25 ppm	< 0.25 ppm
Nitrite:	0.25 ppm	0.50 ppm		2.00 ppm		5.00 ppm	2.00 ppm
Nitrate:	10-20ppm	10-20ppm		10 ppm		10 ppm	20 ppm
Water Change:							50%

Date Range:	19th to 25th August 2023						
Days:	Sat	Sun	Mon	Tues	Wed	Thurs	Fri
Ammonia:		0.00 ppm				0.00 ppm	<0.25 ppm
Nitrite:		2.00 ppm				2.00 ppm	1.00 ppm
Nitrate:		10 ppm				10 ppm	5 ppm
Water Change:							50%

Date Range:	26th to 1st September 2023						
Days:	Sat	Sun	Mon	Tues	Wed	Thurs	Fri
Ammonia:		<0.25 ppm	0.00 ppm		0.00 ppm	2.00 ppm	0.25 ppm
Nitrite:		0.25 ppm	0.00 ppm		0.00 ppm	1.00 ppm	2.00 ppm
Nitrate:		5-10 ppm	5 ppm		5 ppm	20 ppm	20 ppm
Water Change:							
Ammo Sol?	Too much						
	panic and add bottled bacteria ?						
	70ml fluval						

Date Range:	2nd to 3rd September 2023	
Days:	Sat	Sun
Ammonia:	0.00 ppm	0.00 ppm
Nitrite:	1.00 ppm	0.00 ppm
Nitrate:	20-40 ppm	20-40 ppm
Water Change:		
Ammo Sol?		

Date Range:	4th to 6th September 2023					
Day:	Mon	Mon	Tue	Tue	Wed	Wed
Time:	7:57	21:49	7:00	14:49	7:24	19:40
Ammonia:	0.00 ppm	0.00 ppm	2ppm	1 ppm	0.50 ppm	0.25 ppm
Nitrite:	0.00 ppm	0.00 ppm			5.00 ppm	5.00 ppm
Nitrate:	10 ppm	10 ppm			40 ppm	40 ppm
Ammo Sol?	0.75 mls	8.00 mls				

Note: <0.25 ppm = Near zero but slight tint

Note: My API Nitrite test only measures up to 5.00 ppm

Day 1:



Day 10/11:



Day 26:



My Homemade Ammonia Solution:

Doctor Tim's, other aquarium purposed ammonia products, household ammonia without additives/soap and powdered ammonia chloride are not available to me in Ireland. The only option (other than large tax and shipping fees making a €10 product at least €60) was to create my own solution.

Pure ammonium bicarbonate (a cooking/ baking product) dissolved and brought to a boil will convert to ammonia, water vapour and small amounts of carbon dioxide. I used 16 grams in 50 mls water.

Method Three: Ammonium Chloride Solution

Buy some ammonium chloride (or any ammonium salt such as ammonium sulfate, ammonium phosphate, ammonium nitrate, ammonium bicarbonate, or ammonium carbonate) crystals over the internet. These chemicals are used for baking so are easily obtained from Amazon.

Measure out roughly 60 grams of ammonium salt (any salt) and put it in an eight-ounce or 250-milliliter bottle (240 grams or very roughly half a pound in one quart or one liter of water). Fill the bottle with water. Shake till the ammonium salt dissolves. This is very roughly an eleven percent solution of ammonia.

Then add one drop of ammonium salt solution per two gallons (very roughly about 1ppm)

Test 1:

At 23:44 yesterday I added 8mls of my solution, which measured as 2ppm Ammonia at 07:47 this morning. At 14:49 the ammonia had gone down to 1ppm.

Test 2:

Maximum tank volume without fish, hardscape, equipment, sand etc: 105L
-> somewhere less than 100L water in the tank (100L used for calculations)

10mls solution per 100 L -> 0.5ml solution per 5000 mls

Mixed 0.5 ml of my homemade ammonia solution in a 5L/5000ml bottle filled with un-dechlorinated water (due to seachem prime's effect on ammonia). Result was approx. 4ppm Ammonia

This would suggest that 10mls of solution added to my tank would add at least 4ppm Ammonia

My Quarantine tank:

- Thin layer of aquarium sand
- Plastic aquarium plants
- Aquael ASAP 300 filter with homemade prefilter
- Non-adjustable heater by Aquael (came with my tank) that heats to 25 degrees Celsius
- Semi-transparent plastic tub with lid, currently holding around 32 litres of water (water parameters for the QT can be found in the information above, with the parameters of my main tank)



