

SCIENTIFIC TEST RESULTS

The below studies have been carried out by the Laboratory for Food and Health in accordance with the European Union Directive 98/83/EC on both filtered and unfiltered water, e.g. tap water. A further test confirms the antibacterial properties of our copper water bottles. Our laboratory tests allow us to prove the vitalizing benefits of our copper water bottles and their purity.

Test result findings and summary as below:

TEST 1 FORREST & LOVE BOTTLES TESTED WITH UNFILTERED WATER

The test has been conducted using unfiltered water, i.e. tap water. The first test has been conducted at an initial stage of 0 hours. The test continues for 36 hours.

TESTS CONDUCTED	DURATION: 0 HOURS	DURATION: 6 HOURS	DURATION: 12 HOURS	DURATION: 24 HOURS	DURATION: 36 HOURS
PH-VALUE	7.10	7.32	7.50	8.10	7.80
ALKALINITY	116.00 mg/l	122.00 mg/l	150.00 mg/l	201.00 mg/l	152.00 mg/l
COPPER VALUES	0.16 mg/l	0.43 mg/l	0.70 mg/l	0.90 mg/l	0.81 mg/l

TEST SUMMARY

- ✘ Within the unfiltered water, the PH-value increases more rapidly than within the filtered water. It rises continuously up to a storage time of 24 hours. After 24 hours, the PH value sinks slightly. With this test, we can scientifically prove that copper increases the PH Levels in water, even within unfiltered water.
- ✘ The water alkalinity increases steadily up to 24 hours and drops between 24 - 36 hours. This study helps us to prove that Forrest & Love Copper Water bottles increase alkalinity even in unfiltered water, whereby the water is purified in a natural way.
- ✘ The test observations prove, that within unfiltered water, copper content is absorbed well up to 36 hours. Important to note is that the copper content in water remains insignificant even after 36 hours and is far below the WHO guideline of 2.0 mg/l. This shows that water after a longer storage period is safe for drinking. We recommend, storing water in Forrest & Love copper bottles for up to 24 hours.

TEST 2


FORREST & LOVE


BOTTLES TESTED WITH FILTERED WATER


The tests have been conducted using filtered water. The first test has been conducted at an initial stage of 6 hours. The test has been conducted for 36 hours.

TESTS CONDUCTED	DURATION: 6 HOURS	DURATION: 12 HOURS	DURATION: 24 HOURS	DURATION: 36 HOURS
PH-VALUE	7.65	7.72	7.60	7.52
ALKALINITY	18.00 mg/l	18.00 mg/l	20.00 mg/l	24.00 mg/l
COPPER VALUES	0.07 mg/l	0.08 mg/l	0.13 mg/l	0.17 mg/l

TEST SUMMARY

- 

The PH-value increases continuously up to a storage time of 12 hours. After 12 hours, the PH value sinks slightly. With this test, we can scientifically prove that copper increases the PH Levels in water.
- 

The test also helps us to prove that Forrest & Love Copper Water bottles increase alkalinity in the water. The alkalinity keeps rising continuously up to a storage time of 36 hours, whereby the water is purified in a natural way.
- 

The test observations also prove, that the copper content absorbed by water remains insignificant even after 36 hours and is far below the WHO guideline of 2.0 mg/l. This shows that water after a longer storage period is safe for drinking. We recommend, storing water in Forrest & Love copper bottles for up to 24 hours.

TEST 3

FORREST & LOVE BOTTLES HAVE ANTI-BACTERIAL PROPERTIES

The test has been conducted using contaminated water with water borne bacteria infused in the water. The test has been conducted for a period of 6 hours.

TESTS CONDUCTED	INITIAL VALUES	DURATION: 6 HOURS
COLIFORM BACTERIA	46 units per 100 ml	NO LONGER AVAILABLE
E. COLI BACTERIA	10 units per 100 ml	NO LONGER AVAILABLE

TEST SUMMARY

- ✘ Within a period of 6 hours, even harmful bacteria like E. Coli was not detectable in the stored water.
- ✘ This test helps us prove that Forrest & Love copper water bottles act anti-bacterial and can kill water borne bacteria within hours.

FURTHER NOTES

Tests 1 and 2 prove that Forrest & Love copper bottles increase the alkalinity and pH-value of water. The tests also prove that the copper content in water that has even been stored in the copper bottles for 24 hours is far below the threshold value according to the WHO guidelines. We therefore recommend a storage time of 8-24 hours. Please note that our copper water bottles are only suitable for still water.

Test 3 shows that water stored in our Forrest & Love copper bottles kills bacteria in general, even harmful bacteria like E. coli. A recently published study by the NIH (National Institutes of Health, Maryland, USA) also proves that Covid-19 viruses on a copper surface die within 4 hours.

The results and conclusions from the above studies have been taken from the scientific tests conducted by independent laboratories. The findings could be subject to changes or errors under varied circumstances.