

Water - an ideal solvent once again

One benefit of water revitalizing with the AQUAKAT is that lime build-up inside water pipes becomes dissolved and does not re-form. The reason for this is that the water regains its natural capability to hold dissolvent mineral substances as microscopic particles - 200 to 300 times smaller than before (the diagram opposite illustrates the difference). This means that lime does not build up on pipes, in hot water tanks, hot water heating systems, appliances or in commercial, industrial or agricultural operations, especially where water is recirculated or heated. Similarly, rust in steel pipes is dissolved and then washed away like other substances in the water, instead of accumulating or staining fixtures.

Microscopic examination has shown that practically no coagulated crystals form under the influence of the AQUAKAT. Instead, small round and isolated singular crystals are formed that have the additional effect of stabilizing the hardness of the water.

In another comparison, the crystal scientist Dr Elmar Langenscheidt has re-tested the well-known crystallization behaviour of ascorbic acid. In water that was informed by the AQUAKAT, ideal typical uniaxial crystals are formed. Their centre is clearly recognizable. It becomes the centre of a radial corona of interference colours, which indicates a closed crystal structure.

New insights into tap water

The pleasant and even healing effects of water, which has been treated with the AQUAKAT, are not easily measured or assessed by visual examination. Yet, they can be experienced. During the more than twenty years of AquaKat use in Europe an extensive number of favourable experiences have been documented, including the following:

A leading German plumbers' trade journal "sbz Sanitar-Heizungs-Klima-und Klempnertechnik" undertook a study on the effectiveness of the AQUAKAT. They commissioned a group of plumbers to test the device with their residential customers. More than 80 percent of test participants reported positive results with the AQUAKAT. During the three months test period, it was reported that former problems of lime scale build-up on pipes, in hot water heaters and on appliances (e.g. kettles) resolved themselves. Also participants identified water properties that can only be experienced subjectively, including: the water simply tasted better; feeling softer; the chlorine taste seemed to disappear and when having a shower it felt more refreshing, as if under a waterfall in the mountains.

- A champagne producer was able to decommission their water softening plant
- A hotel now saves 30 percent on its costs for cleaning and disinfection agents.
- A bakery reports that their bread dough is easier to process
- A pasta manufacturer has a similar experience with kneading their dough
- Pub owners and restaurateurs are happy with the notably improved taste of their water, and comment on how it is easier to cleaned glasses and make them sparkle and that the laundry needs less detergent.
- Numerous dairy farms have reported increased water consumption by their cows and increased milk production when an AquaKat is used.



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LIME CRYSTALLIZATION



Without AquaKat



With AquaKat

EXPERIMENT BY DR. E. LANGENSCHIEDT ASCORBIC ACID DISSOLVED IN DISTILLED WATER



Before



After successful vitalization

penergetic
the natural biotechnology



Revitalized Water - the elixir of life

AQUAKAT®

- spring water quality
- better taste and absorption
- prevents lime build-up & rust
- enhances health

