



NATURAL ACTION INC.

“IMPROVING WATER NATURE’S WAY”

High quality Structured Water Generators

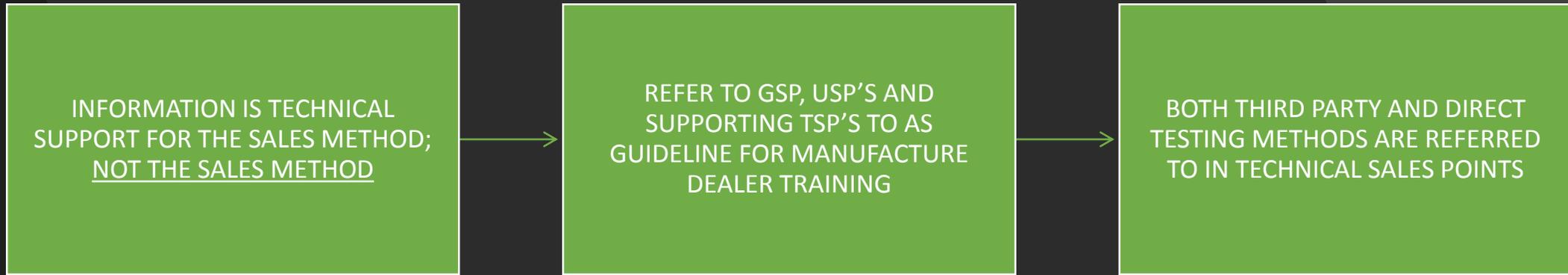
TSP’S: TECHNICAL SALES POINTS

FOR TECHNICAL TRAINING PURPOSES ONLY

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STRUCTURED WATER: INTEGRATING TECHNICAL SALES TRAINING



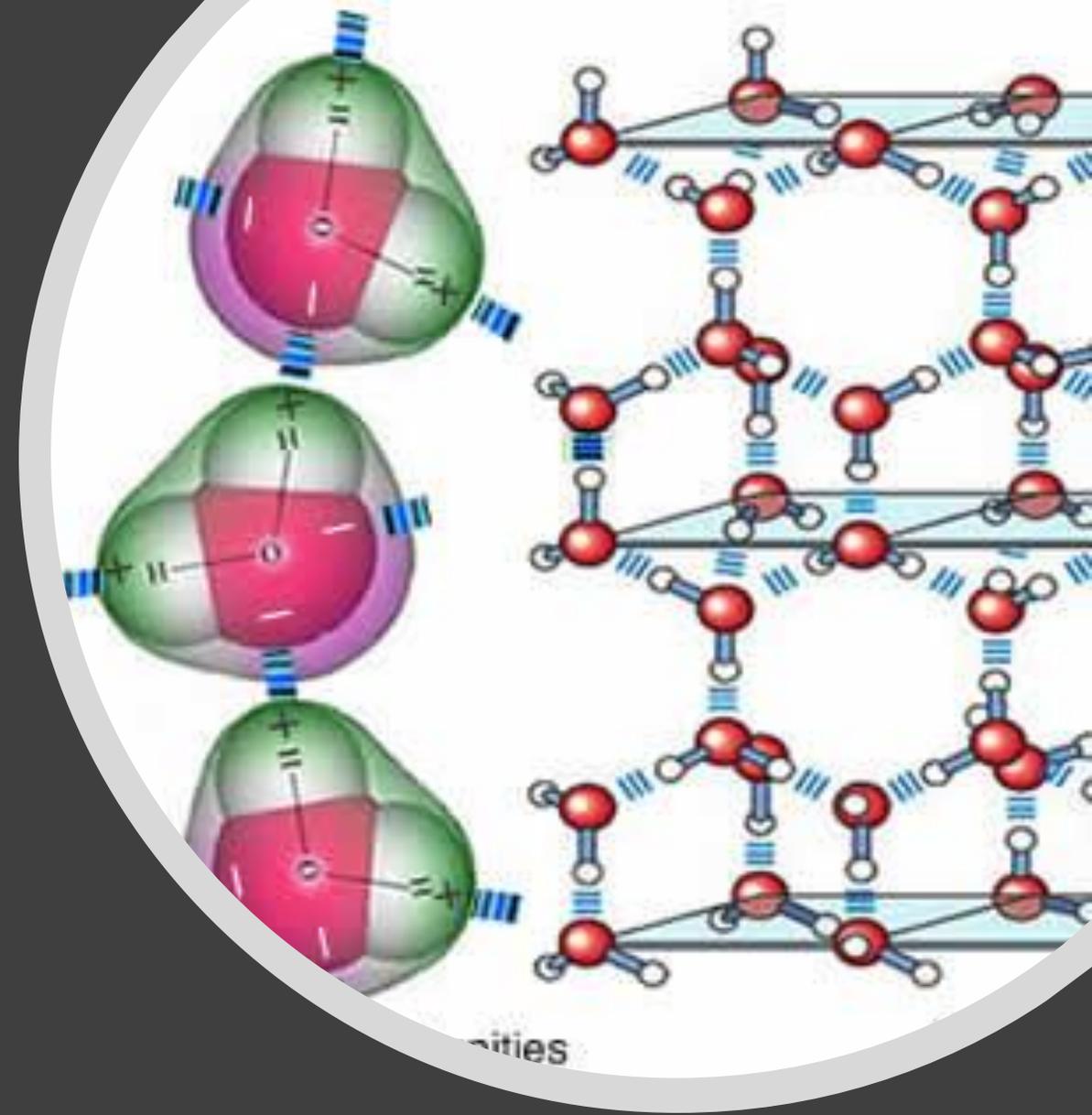
THEORY, OBSERVATIONS, TESTING, FORMAL TESTING, AND PRACTICAL APPLICATIONS ALL HAVE DIFFERENT IMPLICATIONS. IT IS IMPORTANT TO BE ABLE TO HAVE WELL DEFINED LINES AND CONNECT THE DOTS

ORDER OF PRIORITY

- BRAND MISSION STATEMENT
- GENERAL SALES PERSPECTIVE
- UNIQUE SALES POINTS 1-5 (FOCUS ON ONE FOR THE SITUATION)
- TECHNICAL SALES POINTS – SUPPORT THE GSP AND USP'S WITH TECHNICAL INFORMATION FOR NETWORK ESTABLISHMENT AND SALES SUPPORT

WATER STRUCTURE THEORIES AND MODELS

- STRUCTURED WATER PROPOSED THEORIES:
- WATER ORGANIZES IN BANDS OF ELECTRICAL POTENTIAL SIMILAR TO GRAPHENE (A SPECIAL STRUCTURE OF CARBON) THE WORLDS STRONGEST SUBSTANCE PER WEIGHT AND SIZE. ALSO NOTE THE FORCE WHICH WATER CAN EXERT ON ANY CONTAINER WHEN EXPANDING INTO ITS FROZEN STATE. SUPER COOLED FROZEN WATER IS CONSIDERED TO BE HIGHLY HEXAGNAOL. HEXAGONAL WATER CAN ALSO BE PRODUCED WITH VORTEXING, ELECTRICAL PROPERTIES, MAGNETIC FIELDS OR MATERIAL TRANSFER EFFECTS.





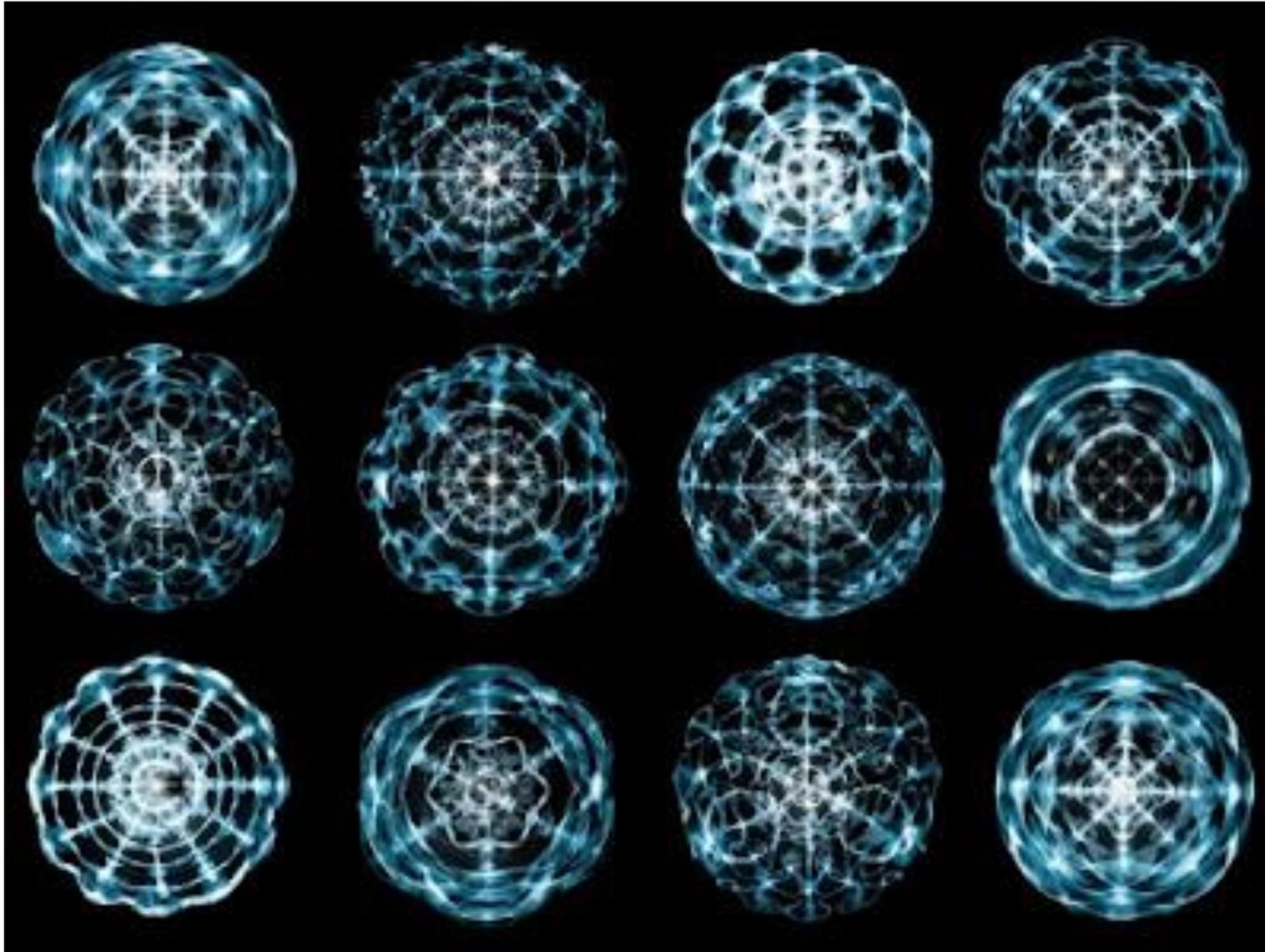
GENERAL SUPPORTING EVIDENCE FOR ORGANIZED WATER STRUCTURE IN NATURE

All though it is quite impressive and obvious that nature and the universe possess patterns of energy which can be seen anywhere, it is often taken for granted. The precise geometry and mathematics which are present when water is expanding and temperature is contracting is bewildering. Water is a direct witness to the flow of electrical and magnetic energies, and when combined by nature reveal the *Materia Prima*; also known as Aether. It provides both the blue print and the foundation for which all things are built. When technical engineering and bio-mimicry are combined, we will begin to see less suffering and more efficiency. Structured water is a simple in-road to this transition in human awareness. When resistance to natural energy flow is removed or natural flow is encouraged, many things begin to change.



GENERAL PERSPECTIVE: INCREASED ORGANIZATION OF THE WATER CLUSTERS PROVIDE HEALTHIER WATER. THIS RESULTS FROM THE INCREASED ORDER OF THE ENERGY PRESENT. REDUCTION OF NOISE AND INTEGRATIVE MOTION ALLOW WATER MOLECULES TO WORK TOGETHER.

- STRUCTURED WATER POSSESSES GREATER BANDWIDTH IN ITS ABILITY TO GENERATE, ABSORB, ALTER, AND REFLECT VIBRATIONS OF THE ENVIRONMENT. THIS INCLUDES ALL VIBRATIONS.
- ALL WATER POSSESSES STRUCTURE – “STRUCTURED WATER” POSSESSES A GREATER DEGREE OF ORDER, WHICH INCLUDES NATURAL SYMMETRY.
- THERE ARE DIFFERENT TYPES OF “STRUCTURED WATER” AND DIFFERENT DEGREES OF STRUCTURED WATER THAT HAVE NECESSARY ROLES IN NATURE. A DETAILED STUDY IS REQUIRED TO SPEAK INTELLIGENTLY ABOUT IT.

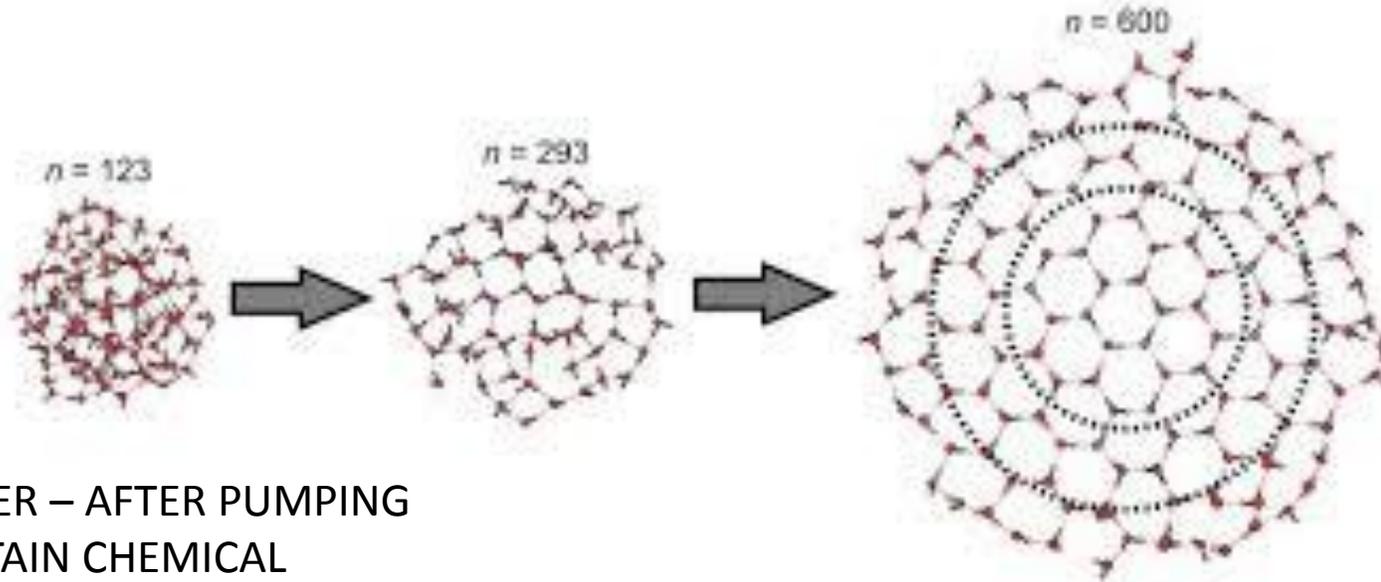


CYMATICS: THE STUDY OF VIBRATION AND WATER STRUCTURE TRANSFORMATION

‘Cymatics’ displays water’s immediate structure in response to a vibrational tone and frequency. Light reflecting material is placed in water solution. Water also develops a memory over time and exhibits similar properties as a computer crystal. Here we see organized patterns.

INCREASING ORDER

WATER AFTER STRUCTURING



DECREASING ORDER – AFTER PUMPING
HEATING, OR CERTAIN CHEMICAL
ADDITIONS



WATER AFTER HEATING, PUMPING, REVERSE OSMOSIS, UV RADIATION, OR OTHER TYPE OF HARSH INFUSION OF ENERGY. ORGANIZED WATER STRUCTURE CLUSTERS MAY BE LARGER OR SMALLER THAN DISORGANIZED “CLUMPING” THAT CAN OCCUR IN WATER STRUCTURE. THE KEY WORDS ARE INCREASED UNIFORMITY, HOMOGENOUS, AND ORGANIZED, AS SEEN ON THE RIGHT

WHY THE HEXAGANOL STRUCTURE?

https://youtu.be/Pypd_yKGYpA

GRAPHENE: THE CARBON-BASED 'WONDER MATERIAL'

Since its discovery in 2003, graphene has been a hot topic in chemistry and materials science research. It's been linked with water purification, electronics, and biomedical applications. However, how close are we really to using graphene in our day-to-day lives? This graphic looks at its properties, uses, and future.

WHAT IS GRAPHENE?



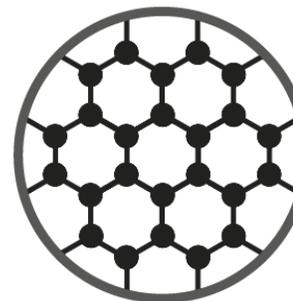
SINGLE LAYER OF CARBON ATOMS

HONEYCOMB-LIKE STRUCTURE

GRAPHITE IS LAYERS OF GRAPHENE

ISOLATED IN 2003 IN MANCHESTER

Graphene is a single layer of graphite, the carbon-based material found in pencil leads. Graphite has been known for centuries, but graphene was only isolated in 2003, by shearing layers off of graphite using sellotape. It's a single atom-thick layer of carbon atoms, that are arranged in a flat, hexagonal lattice structure.



POTENTIAL USES OF GRAPHENE



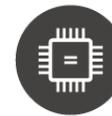
TOUCH SCREENS IN DEVICES

Graphene's transparency and conductivity means that it can be used in displays and touchscreens. However, currently these are more expensive to produce than the currently used material, indium tin oxide.



WATER FILTRATION SYSTEMS

Graphene allows water to pass through it, but not other liquids and gases, so it can be used in water purification. Researchers are working on a device that could be capable of filtering salt from sea water.



IN ELECTRONIC DEVICES

Graphene has been touted as silicon's successor, and has been used to make very fast transistors. However, its conductivity cannot be 'switched off' as silicon's can. Other 2D materials seem more promising.



MEDICAL SENSORS & DRUG DELIVERY

Several biomedical applications are being explored for graphene, including drug delivery, cancer therapy, and its use as a sensor. However, its toxicity profile must be investigated before any clinical uses.



ENERGY STORAGE & COMPOSITES

Graphene-based energy storage devices are possible. It can also substitute for graphite in normal batteries, improving efficiency. Additionally, it can be added to materials to make them stronger and more lightweight.

THE PROPERTIES OF GRAPHENE



HIGH ELECTRICAL CONDUCTIVITY



200X STRONGER THAN STEEL



THIN AND LIGHTWEIGHT



HIGH THERMAL CONDUCTIVITY



VERY HIGH TRANSPARENCY

Graphene's 'wonder material' reputation stems from its superlative properties. It is a million times thinner than a piece of paper, yet stronger than diamond, and 200 times stronger than steel, due to the strong carbon-carbon bonds. It's also a flexible material, and conducts heat and electricity better than copper. Being only one atom thick, almost 98% of visible light passes through graphene, making it transparent.

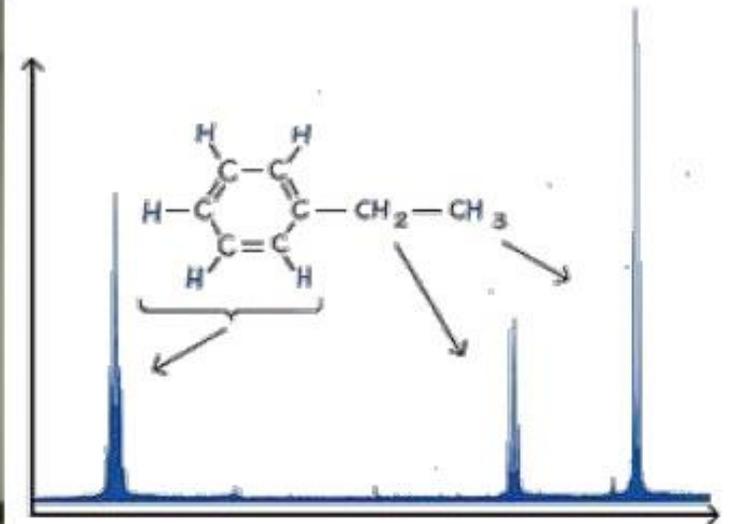


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NUCLEAR MAGNETIC RESONANCE

NMR - NUCLEAR MAGNETIC RESONANCE SPECTROSCOPY



A proton NMR spectrum of a solution containing a simple organic compound, ethyl benzene. Each group of signals corresponds to protons in a different part of the molecule.

ALTERED PROTON SPIN STATES

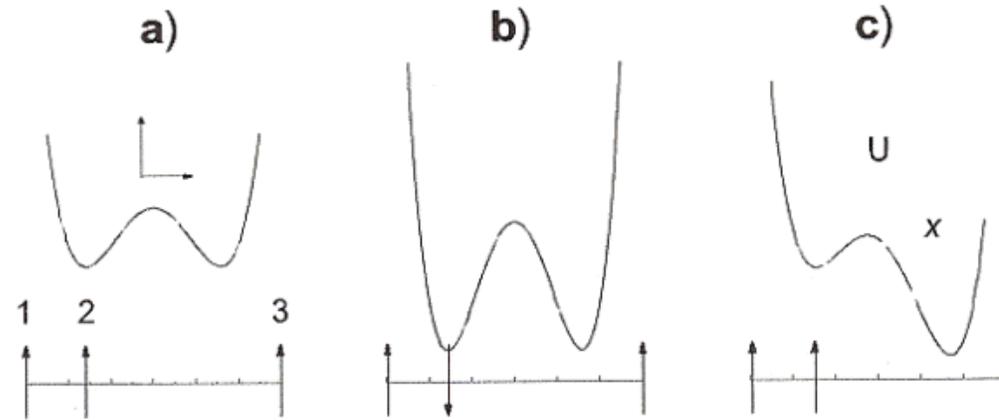


Figure 1. The variation of potential positions of protons as a result of different nuclear proton spins orientations. This is ultimately responsible for the repositioning of the relative coordinates of atomic particles within any structure. In other words, a change in shape in the micro, when not constrained, show up in the macro.

WIDER BAND WIDTH OF PROTONS

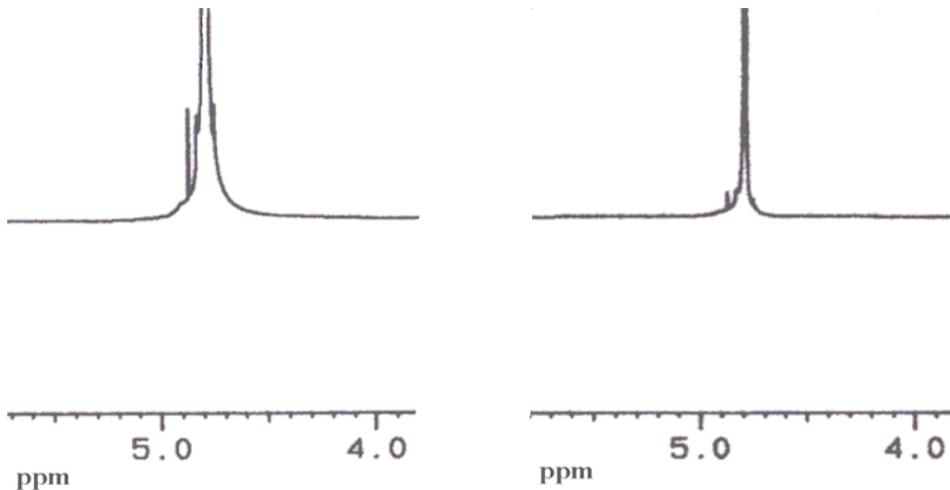


Figure 2. Nuclear magnetic resonance test. The width of the proton pick in regular water is 0.1 ppm and in all three types of Activated Water it is 0.25 ppm. It means a consistent 2.5 times increase in the width of the proton pick in Activated Water. The increase of proton pick width could occur only as a result of alteration in the shape and organization of water molecules in Activated Water. The water sample was activated for 30 min.

DEEP EVIDENCE OF WATER CHANGING SHAPE AT THE ATOMIC LEVEL; THE WIDER BANDWIDTH INDICATES HEXAGONAL AND PENTAGANOL STRUCTURES PRESENT



THE CUMULATIVE EFFECT OF ALTERED ATOMIC SPIN STATES CAN CREATE A MORE STABLE AXIS AND REDUCED WOBBLE WHICH RESULT IN AN STRONGER FIELD AROUND EACH ATOM. WHEN COMBINED INTO LARGER GROUPS IN WATER, THIS RESULTS IN AN AMPLIFIED FIELD EFFECT AROUND THE WATER BODY. THE EARTH AND ITS ATMOSHPERE ARE A GOOD EXAMPLE.

NMR AND DISSOLVED OXYGEN

WATER SAMPLE	NMR LINEWIDTH (HZ)	OXYGEN mg/L
TAP WATER	105.9	6.2
STRUCTURED WATER	62	9.0
BOTTLED WATER	116.2	7.7

- HEXAGONAL WATER USUALLY MEASURES BETWEEN 60 AND 70 HZ INDICATING A HIGHER PERCENTAGE OF 6 RING (HEXAGNOL) STRUCTURES. TAP WATER MEASURES AT 100-150 HZ INDICATING PREDOMINATE 3 AND 4 RING STRUCTURES



NATURAL ACTION OXYGEN MONITERING



INITIAL OXYGEN LEVELS
BEFORE

6.2 mg/L

AFTER NATURAL ACTION
VORTEX

10.2mg/L

Silver Peaks Farms – Oxygen Monitoring in Application

The Fourth Phase of Water: What You Don't Know and What You Should

© iStock.com | Tarek El Sombati



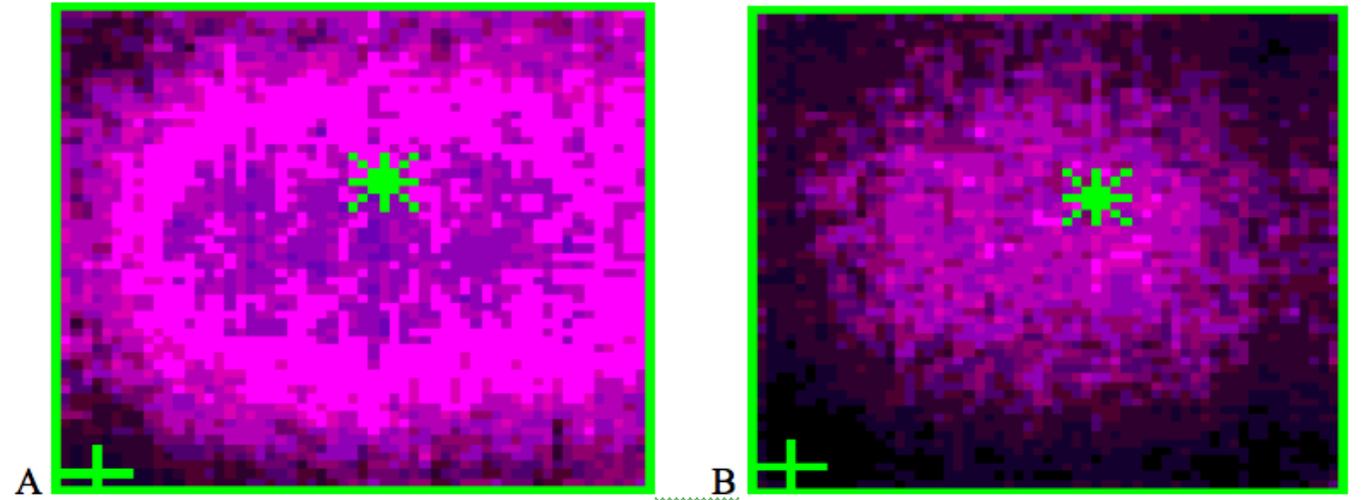
SPECTRAL ANALYSIS – UV AND IR EMISSIONS

- Testing water samples using a UV-visible spectrometer, which measures light absorption at different wavelengths, Dr. Pollack has discovered that in the UV region of 270 nanometers, just shy of the visible range, the EZ actually *absorbs* light. The more of the 270 nanometer light the water absorbs, the more EZ water the sample contains. EZ water appears to be quite stable. This means it can hold the structure, even if you leave it sitting around for some time. Water samples from the river Ganges and from the Lourdes in France have been measured, showing spikes in the 270 nanometer region, suggesting these “holy waters” contain high amounts of EZ water. According to Dr. Pollack, there’s compelling evidence that EZ water is indeed lifesaving...

IR THERMAL EMISSION

A = CONTROL B = STRUCTURED WATER

Thermal IR imaging showing relative heat and cold. Heat and cold are also equivalent to electric and magnetic interactions which are rooted in the relationship between hydrogen and oxygen. The darker and colder region represents the more alkaline concentration and hexagonal water which living cells desire. The more acid and pentagonal water serves the function of holding and carrying toxins away from living cells.



Allometric Scaling Behaviour – A Quantum Dissipative State Implies a Reduction in Thermal Infrared Emission and Fractal Ordering in Distilled Coherent Water

Johansson B*1, Sukhotskaya S1 “WATER” - SCIENTIFIC ARTICLE

GAS DISCHARGE VISUALIZATION/HIGH VOLTAGE PHOTOGRAPHY

- Similar to Kirlian Photography, a high voltage discharge is used to detect the “life force” or “bio-field” within water. An amplified coronal discharge is thought to have a more energetic bio-field. When used in reference with practical applications and observations, this indeed appears to be the case. Though it has seen ample criticism from conventional science, it appears there is reasonable validity, especially in terms of just viewing water.



HIGH VOLTAGE
PHOTOGRAPHY
– ONE DROP
OF WATER
UNDER
CAMERA



Distilled
Water



Naturally
Structured



Natural Action
Water™

HIGH VOLTAGE STRUCTURED WATER WITNESS TESTS; EVIDENCE AT THE QUANTUM OR ELECTRON LEVEL

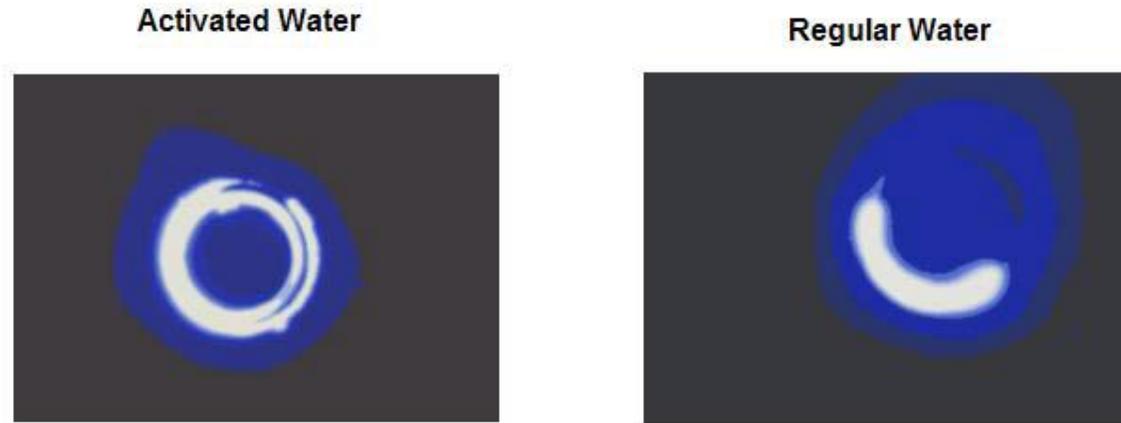
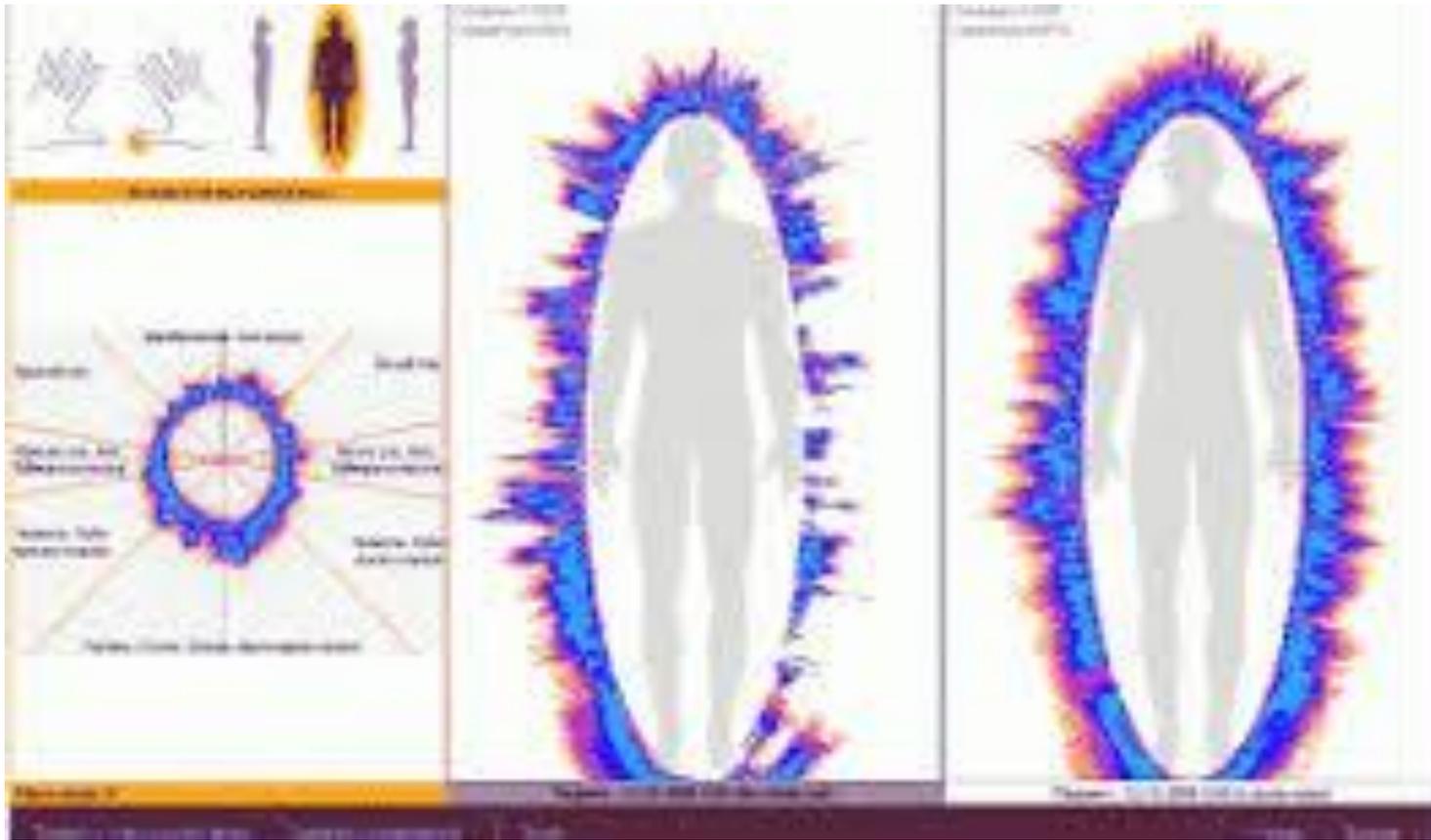


Figure 2. High-voltage photography test. Activated Water demonstrated an enhanced amount of the Corona Discharge Effect - luminous fringes that appear around electrically conductive samples of water. The physical process of cold emission of electrons produces the Corona Discharge phenomenon. Thus, the emission of electrons in Activated Water is more intensive. It could occur only as a result of structural changes in structured water. The water sample was activated for 30 min.



BIO-FIELD TESTING WITH GDV (A “BODY” OF WATER)

- A MORE BALANCED AND FULL BODY ELECTRIC FIELD IS AIDED BY DRINKING STRUCTURED WATER. GAS DISCHARGE VISUALIZATION IS AN ADVANCED INSTRUMENT WHICH USES HIGH VOLTAGE VIBRATION SENSOR TO DETECT OVERALL BODY FIELD. DEVELOPED BY DR. KOROTKOV FOR ASSESSING “LIFE FIELD” HEALTH.

MACRO- CRYSTAL ANALYSIS

CHANGES IN THE GROUP STRUCTURE
OF MINERAL SOLUTIONS IN WATER

CHANGE IN COMPLEX VIBRATIONAL
FIELD RESULTS IN CHANGE IN PHYSICAL
STRUCTURE

REDUCTION IN TOXIC EFFECTS AND
INCREASED BIO-FIELD ENERGY RESULT
IN SOFTER WATER WITH REDUCED
SCALE BUILD UP AND INCREASED O₂

CRYSTAL ANALYSIS METHOD

SAMPLE

LIQUID EXTRACTION

MINERAL EXTRACTION

COMBINED TO PRODUCE A LIQUID CRYSTAL

CRYSTAL FORMATION

IMAGE ANALYSIS

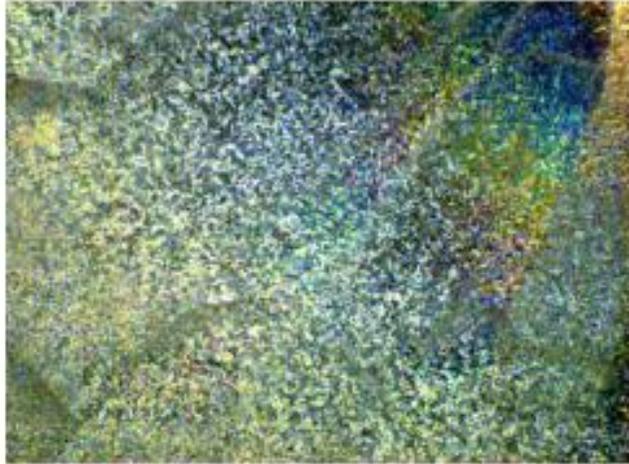
DIAGNOSIS AND ADVICE ON QUALITY



MACRO VS MICRO CRYSTAL STRUCTURE ANALYSIS

- IN CONTRAST TO ATOMIC AND COMPOUND ANALYSIS, WHICH ONLY PROVIDES INFORMATION ABOUT THE SUBSTANCES AND THEIR COMBINATIONS; MACRO-CRYSTAL ANALYSIS DISPLAYS A BIOLOGICAL QUALITY RATING IN TERMS OF WATER. THE ERROR OF MICRO-ANALYSIS WOULD ENCOURAGE STATEMENTS LIKE “COAL IS THE SAME AS A DIAMOND”. IN OTHER WORDS, TRUSTING A MACHINE’S INTERPRETATION AND MAN’S LAW OVER NATURE’S LAW AND YOUR OWN SENSES IS A FOOLISH SCIENCE; AND NO SCIENCE AT ALL. DIAMONDS WON’T HEAT YOUR HOME AND COAL WON’T CUT HARD SUBSTANCES. THE ONLY DIFFERENCE IS THE STRUCTURE.

FROZEN WATER UNDER THE MICROSCOPE



STRUCTURED GRAIN ORIENTATION OF FROZEN WATER CRYSTAL

Dispersion staining microscopy. The crystalline structure of the frozen tap water shows extensive fracturing and chaotic crystalline formation. This is likely to the impurities and poor organized molecular structures in the tap water which interfere with crystallization process. Activated water sample shows well organized crystalline formations with a strong tendency of crystal axis to be oriented in one direction. This is likely a result of domain molecular structure of charged water.



TYPICAL WATER GRAIN ORIENTATION OF FROZEN CRYSTAL

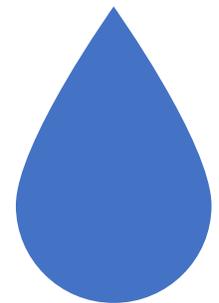
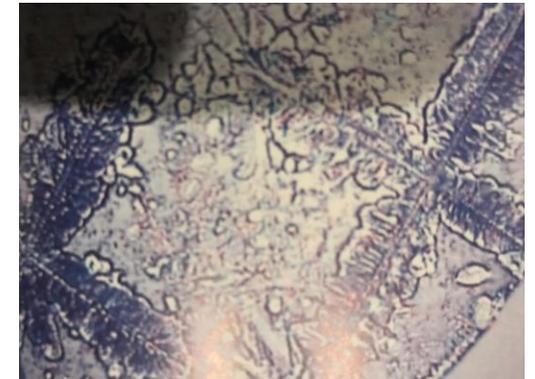
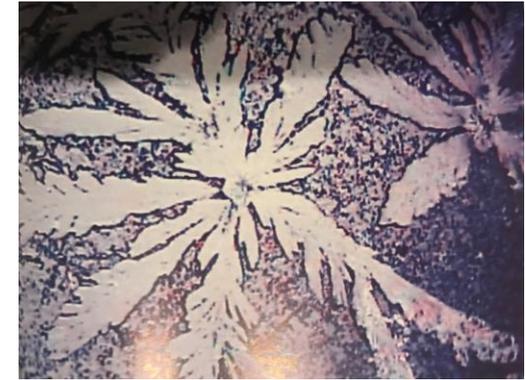


THE POSSIBLE USES FOR CRYSTAL ANALYSIS

- WATER QUALITY – LEVEL OF QUALITY, RISE OR LOSS OF QUALITY WITH TREATMENT METHOD
- MEDICAL DIAGNOSIS – EARLY DETECTION OF ILLNESS AND EFFECTIVENESS OF TREATMENT IN BOTH VETERINARY, HUMAN, AND PLANT MEDICINE
- FOOD INDUSTRY – QUALITY OF FOODS AND FOOD PROCESSING
- GEOMEDICINE – SOIL QUALITY AND EFFECTIVENESS OF SOIL PROGRAMS
- COSMETIC PRODUCTION – QUALITY DEVELOPMENT AND MANUFACTURE
- INDUSTRIAL – REDUCED MAINTAINENCE

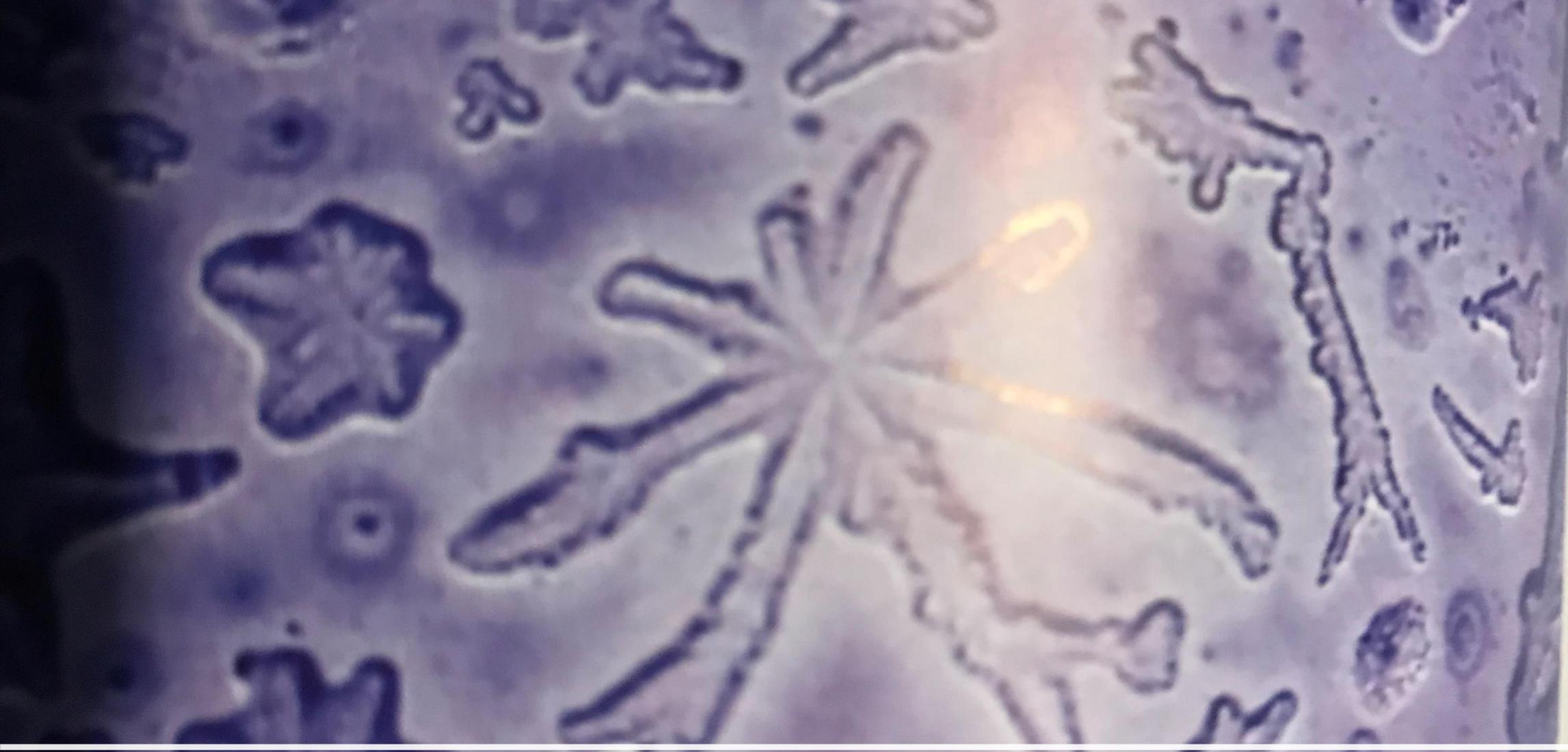
GENERAL METHODOLOGY

- STANDARD ANALYSIS PRINCIPLES (HIGHLY REPEATABLE))
- BY COMPARING WATER SAMPLES FROM AROUND THE GLOBE WHICH ARE KNOWN TO BE NATURAL AND NON-TOXIC, VS. SOURCES THAT ARE KNOWN TO BE TOXIC - A COMMON REPEATABLE VARIABLE WAS ISOLATED
- NATURAL HIGH QUALITY WATER DISPLAYS MORE OF 60 DEGREE STAR LIKE STRUCTURE (TOP), WHEREAS 90 DEGREE CRYSTAL STRUCTURES (BOTTOM) INDICATE POLLUTED AND LOW QUALITY WATER WHICH IS NOT SUITABLE FOR USE IN DRINKING, OR MANY OTHER PROCESSES.
- THE FORMATION OF THE ANGULAR STRUCTURES ARE INDEPENDENT OF THE CONSTITUENTS WITHIN THE WATER; THEREFORE WE ARE DEALING WITH THE ENERGIES WITHIN THE WATER AND THE FORCES THEY EXERT DURING CRYSTAL FORMATION. HIGH ENERGY WATER WILL HAVE HIGHER DEGREE OF STAR LIKE STRUCTURES AND LOW ENERGY WATER WILL HAVE A HIGHER DEGREE OF 90 DEGREE CRYSTAL FORMATIONS.
- PUMPING WATER CONVENTIONALLY AND EMF RADIATION SUCH AS CELL PHONES CAUSE RIGHT ANGLES TO FORM IN THE WATER AND BLOOD

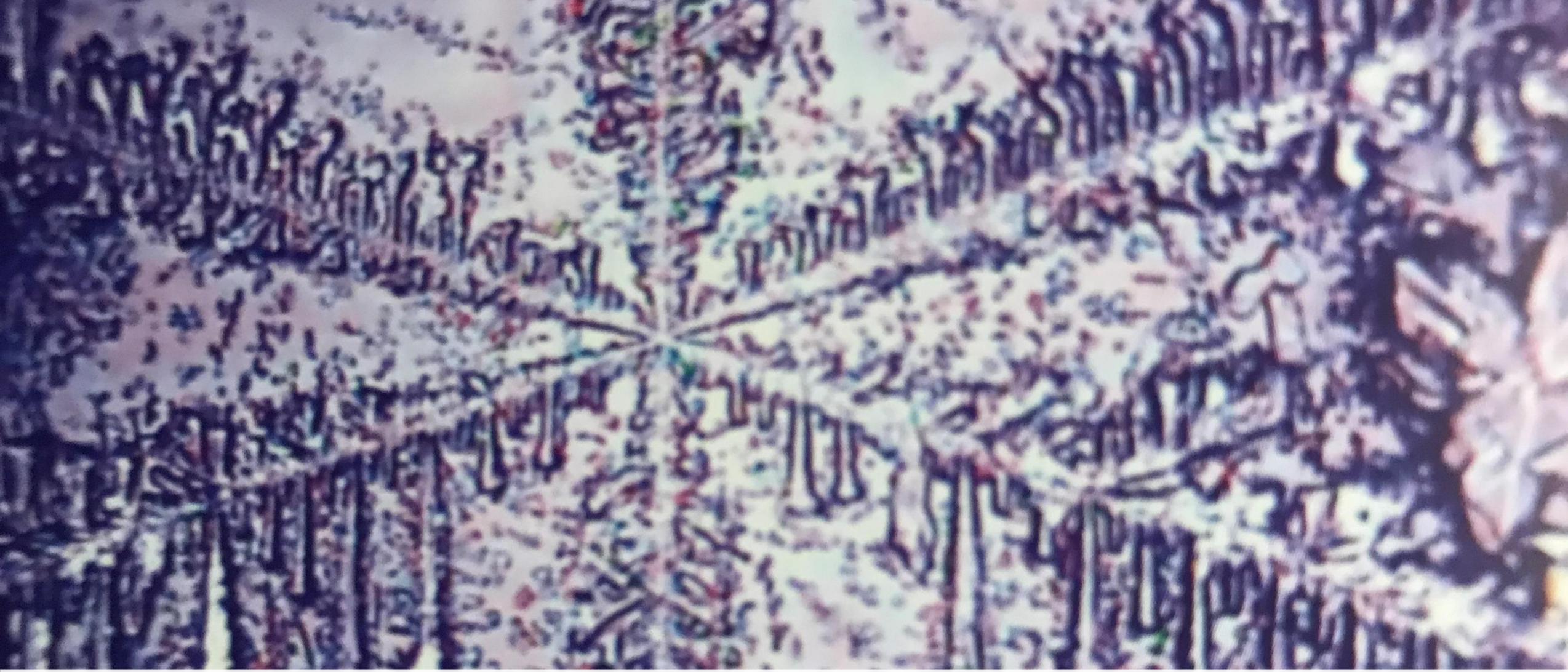


HIGH
QUALITY
WATER
AFTER BEING
PUMPED





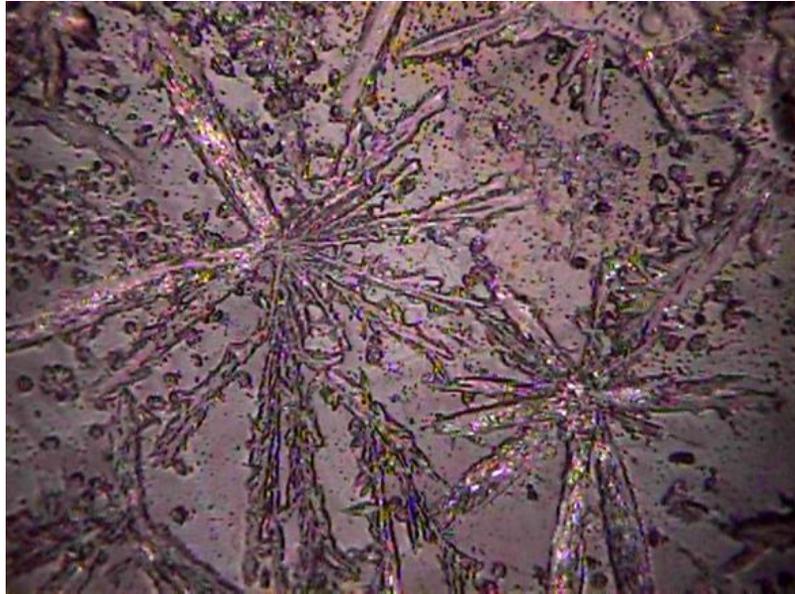
SAME PUMPED WATER MANUALLY STIRRED FOR ONE HOUR



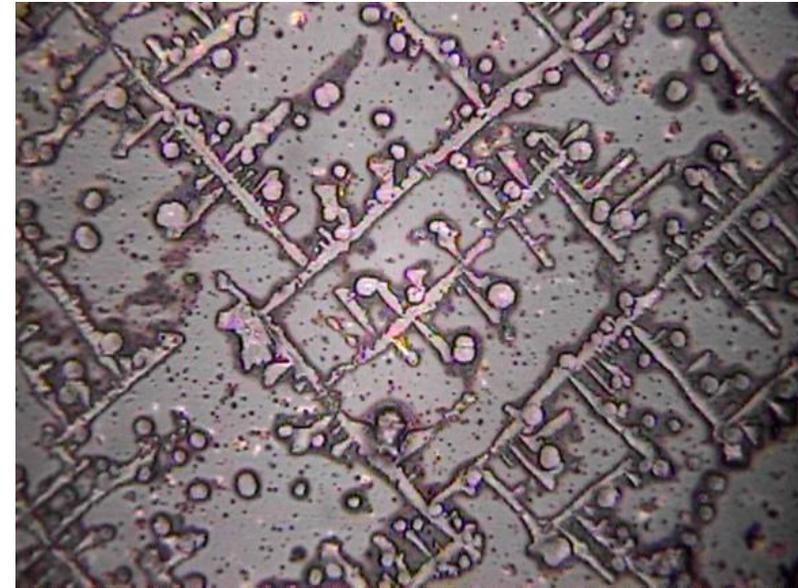
SAME PUMPED WATER AFTER FLOW FORM VORTEX



UNDER THE MICROSCOPE; EVIDENCE IN CRYSTAL STRUCTURE AFTER NATI SW



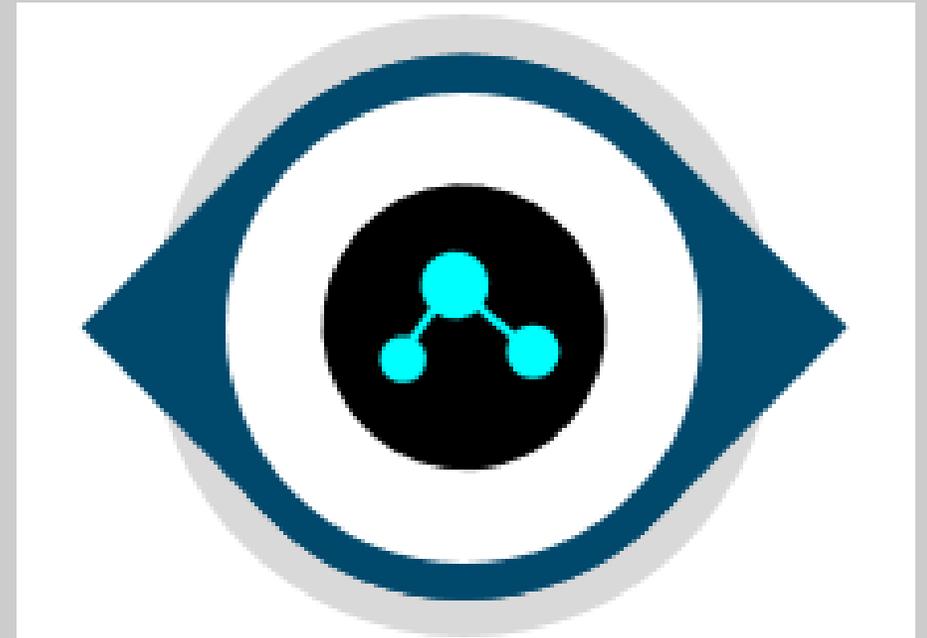
400X NATI STRUCTURED WATER
CRYSTAL RESIDUE. VORTEXED
DISTILLED WATER: "WATER CRYSTALS"
BY ANDREAS SCHULTZ, LAB TEST:
HIGALIS REPORT. THE STRUCTURE
INDICATES CONVERSION TO HIGH
QUALITY WATER



400X DISTILLED WATER CONTROL
SAMPLE WATER (NON-STRUCTURE)
CRYSTAL STRUCTURE. DISTILLED
WATER WITH SAME SOLUTION. 90
DEGREE STRUCTURES ARE KNOWN
TO BE MORE TOXIC

OBSERVATIONAL STUDIES OF SUBSTANCES

- OFTEN THE BEST WAY TO TEST STRUCTURED WATER INVOLVES THE SIMPLEST OF METHODS. SINCE WATER IS CLEAR AND NMR AND SPECTRAL ANALYSIS ARE COMPLICATED AND ONLY GENERALLY UNDERSTOOD BY SCIENTISTS, IT IS IMPORTANT TO HAVE SIMPLE AND COMMON SENSE EVIDENCE. LIQUIDS COMPRISED OF MOSTLY WATER ARE EXCELLENT METHODS. JUICES AND MILK ARE USEFUL EXAMPLES.





CONTROL: ALMOND MILK 1 WEEK – REDUCED PUTRIFICATION
NATI STRUCTURED ON LEFT; SAME UNSTRUCTURED SAMPLE ON RIGHT

Regular milk

Activated milk



1st day

Regular milk

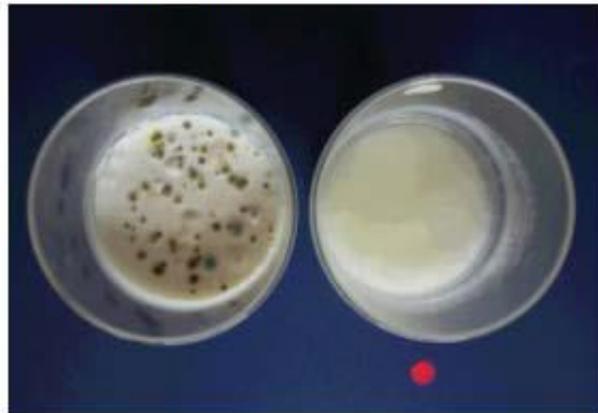
Activated milk



4th day

Regular milk

Activated milk



6th day

Regular milk

Activated milk



9th day



ORANGE JUICE EVAPORATE RESIDUE – CONTROL ON TOP, STRUCTURED ON BOTTOM

- THE TOP SAMPLE (CONTROL) WAS UNABLE TO BE EASILY CLEANED EASILY AND ETCHED INTO THE BEAKER. IT ALSO HAD A MUCH DARKER COLOR, INDICATING A FREQUENCY CHANGE. THE STRUCTURED ORANGE JUICE RESIDUE HAD A SOFT, LIGHTER TEXTURE AND COLOR, AND WAS EASILY REMOVED FROM THE BEAKER. THIS INDICATES A CHANGE IN STRUCTURE OF THE CARBOHYDRATES AND PROTEINS AND ALSO SUPPORTS DE-SCALING AS WELL AS BIO-AVAILABILITY. (ONE PASS) THROUGH NAT PORTABLE DE UNIT.



ORANGE JUICE DRIED RESIDUE

COLOR IS FREQUENCY

NAT SW ON TOP

CONTROL BOTTOM

A FREQUENCY CHANGE
OCCURRED IN THE
CARBOHYDRATE AND PROTEIN
CONDENSATE

4 MONTHS OF DEHYDRATION

TOP HAD A MOIST AND SOFT
LEFT OVER RESIDUE. IT FELL OUT
OF THE BEAKER. (INCREASED
ABSORPTION)

THE CONTROL (BOTTOM) HAD A
TEXTURE OF HARD PLASTIC AND
WOULD "SNAP" APART. IT HAD
TO BE "CHISELED" OUT OF THE
TEST BEAKER



OBSERVATIONAL STUDIES OF HUMANS AND ANIMALS

Turkey Grow out Study Platte Colony
Efficacy of Structured Water
July 2010

Historical Flock Control

Test Flock(structured water)

Poult placed Hybrids

Farm Statistics

#Placed	19,000		19,000
Livability	85.79%		91.49%
Total Head sold	16,299		17,383
Overall condemn	1.85%		1.08%
Gross lbs sold	723,186 lb		678,285 lb
Net lb sold	709,900 lb		670,988 lb
Days to market	142 days		136.4 days
Average weight	44.37 lb		39.02 lb
Total lb feed	1,872,755 lb		1,675,356 lb
Average cost/ton	243.45		236.40
Feed cost/lb	.1217	using same cost/lb	.1217
Feed lb/bird	114.9 lb		96.49 lb
Feed cost/bird	13.98		11.74
Price/lb meat	.53		.53
Gross/bird	23.516		20.68
Net/lb meat	.2089		.2260
Net/flock	148,333.00		151,733.00
Average Daily Gain	.3124		.2860
Using same age birds	142 days		142 days @ .2860
			Weight 40.612
			Gross lbs 705,958
			Net lb sold 698,363
			Feed cost/bird 12.21
			Feed cost/lb .1217
			Net/lb meat .226
			Net/ Flock 157,830.00

This would amount to approx \$9,500 or \$.55 /bird net increase
G Jordahl
Water Physiologist

EFFECT ON
ENTIRE
TURKEY
FLOCK

RARE CHRONIC SKIN CONDITION

SIX WEEKS AFTER
DISCONTINUING TAKING
PRESCRIPTION MEDICINE AND
SOAKING AND DRINKING NAT SW



OBSERVATIONAL STUDIES: PLANTS



INCREASED SEEDLING SPROUT GROWTH



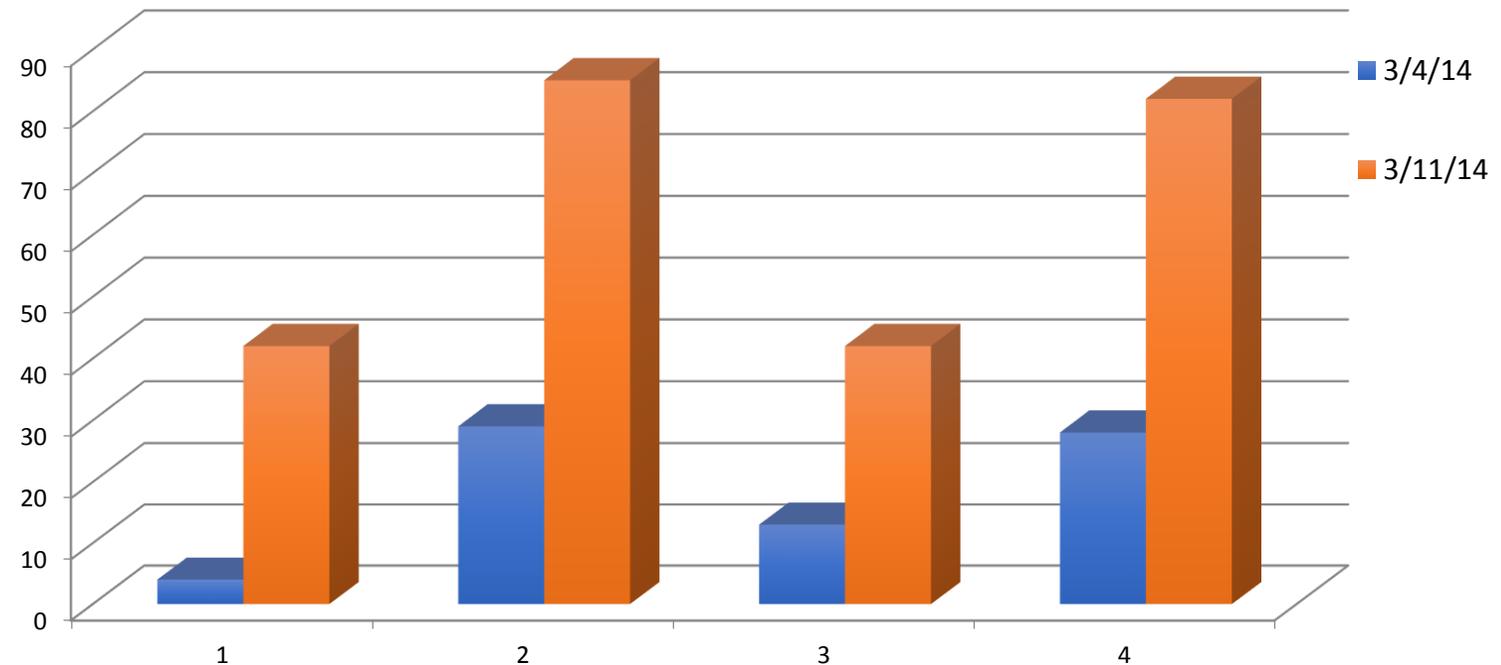
CONTROL: DISTILLED WATER IN 5 GALLON BUCKET; SAME LOCATION; NO LIGHT; 7 DAYS NSW LEFT, NATI SW RIGHT

UNIVERSITY SANTA CRUZ- DR. C. CORRODO

INCREASED FLOWER NUMBERS

- FRUIT# STUDY

- 1) **Control** NSW NO FERT
- 2) **Vortex unit-FERT A**
- 3) **Control**-NSW NO FERT
- 4) **Vortex unit- FERT B**



This plot shows the vortexed water with FERTILIZER A and with FERTILIZER B has the most flowers, with the non-vortexed group with about half the flower count. Multiple fertilizers and NO fertilizers were used to isolate the the Natural Action Vortex Unit from fertilizer effects

Regular water

Activated Water



1st day

Regular water

Activated Water



5th day

Regular water

Activated Water



16th day

WATER DEPRIVATION TESTS



Deprivation test on plants (Tomato and Parsley). These tests were designed to find out the effects of irrigation of seeds of Tomato and Parsley plants with regular tap water (control group) and after activation of tap water with MRET device (testing group). These tests were designed as follows: plants were seeded indoors under the room temperature and irrigated within five weeks with regular tap water and activated tap water respectively. Then the irrigation of plants in both groups was stopped for one week. The photographs of testing and control groups made after one week of deprivation test clearly demonstrate that plants irrigated with activated water developed better resistance to deprivation stress than plants irrigated with regular water.

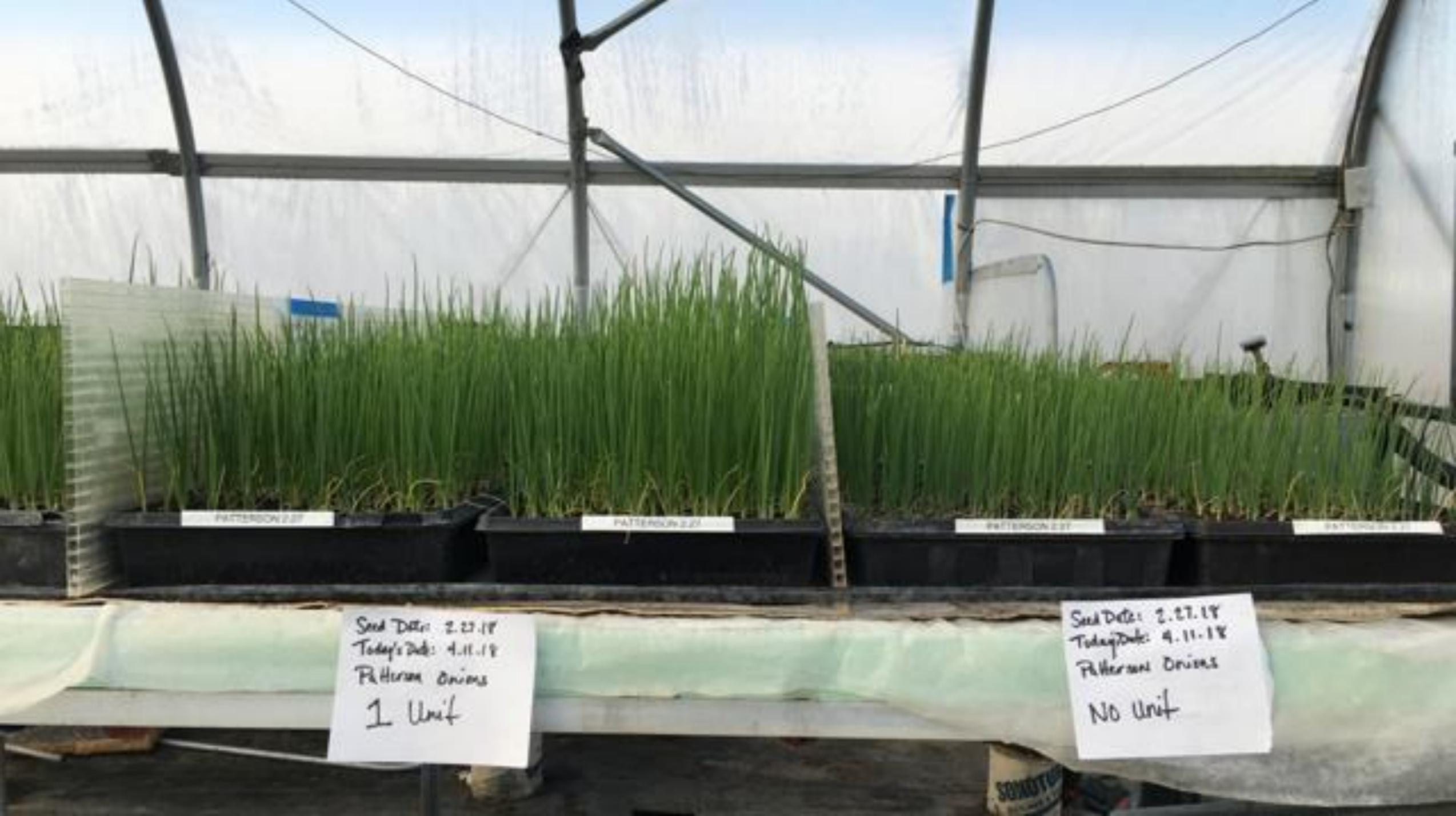
FURTHER GROWTH OF THE STRUCTURED VS. NON STRUCTURED TEST TYPICAL RESULT FROM TEST BED

STRUCTURED WATER



NON STRUCTURED WATER





PATTERSON 2.27

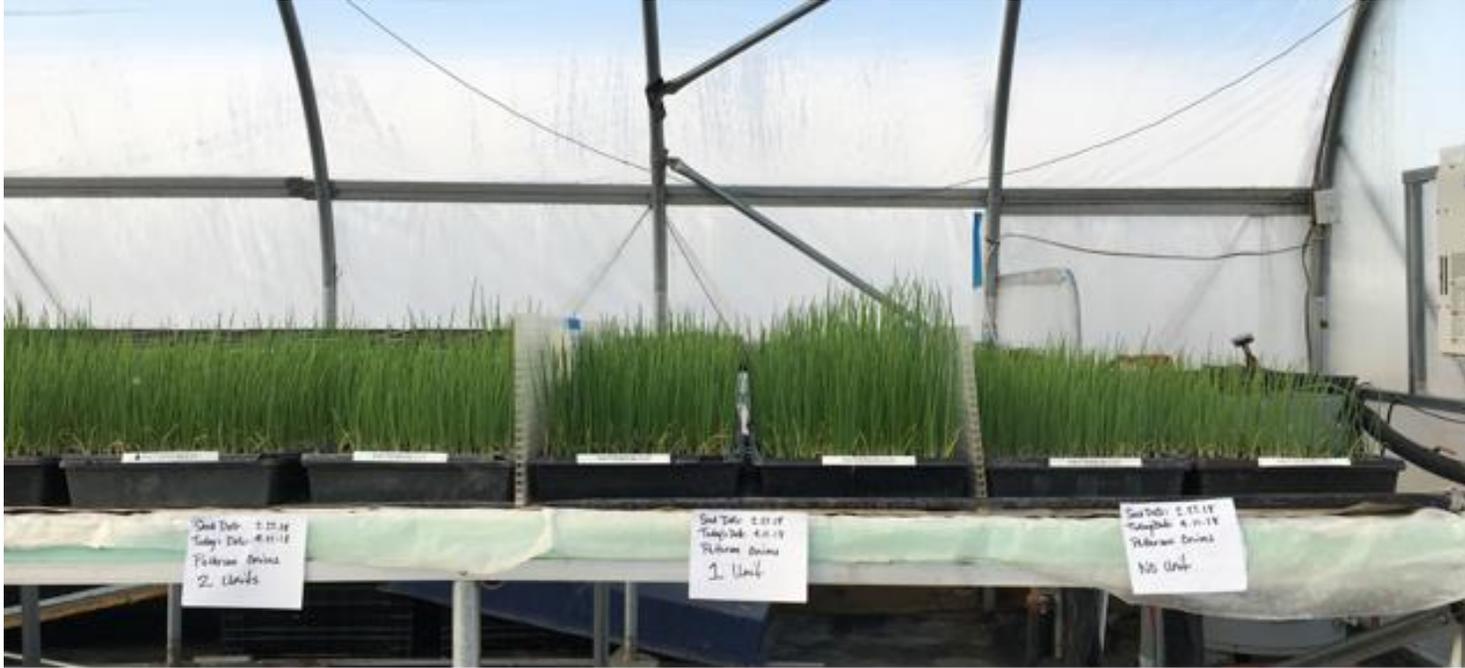
PATTERSON 2.27

PATTERSON 2.27

PATTERSON 2.27

Seed Date: 2.27.18
Today's Date: 4.11.18
Patterson Onions
1 Unit

Seed Date: 2.27.18
Today's Date: 4.11.18
Patterson Onions
NO Unit



BLUE STAR FARMS – NATI vortex units

- BIOMASS MEASUREMENTS:
Crop Onions- Variety
Patterson
- Averaged biomass per tray of
260 onion seedlings @6wks
- No unit: 7.88#
- One unit: 9.2# 15 %[^]
- Two units: 9.58 18%[^]

TESTIMONIAL FROM SATISFIED USER OF NATI STRUCTURED WATER UNIT. ASPEN, CO

- **Water Structuring Device Testimonial**

- **NATURAL ACTION TECHNOLOGIES INC.**

- The Water Structuring Device was installed in 2015 at our 25,000 sqft cannabis greenhouse. The device is a very simple installation requiring little space to do an enormous job. This technology was new to me, but the fundamental principal benefits were very intriguing. My main goals for this simple system were to increase oxygen content of our irrigation water and to decrease our fertilizer usage, basically making uptake to the plants easier.

- Our dissolved oxygen (DO) content of our irrigation water before installing the Water Structuring Device was 4.2 mg/l. After installation, the DO was and still is a constant 10.2 mg/l. This figure alone made a quick improvement in plant growth. After 3 weeks of using this device, the entire crop exploded with vigor including better overall color, an increase in stem caliper which directly correlates to larger colas and more overall even growth rates.

- With respect to fertilizer usage, we have had to readjust our recipe slightly due to the increased uptake of each element, especially minor nutrients. Basically reducing the ingredient recipe. Our costs for our fertilizers have dropped approximately 18% while the crop is healthier. I attribute this drop to having a high dissolved oxygen content which makes uptake to the plant easier.

- Another benefit to the Water Structuring Device that I did not expect was better, more even soil moisture. With the enormous amount of dissolved oxygen, this actually acts as a wetting agent. We have reduced our daily irrigation water by approximately 8%.

- I am a fundamental grower, adhering to basic cultural and environmental processes. Oxygen content is a very basic consideration. I couldn't be happier with the Water Structuring Device and its effects on plant growth. This technology has a valuable place in any agriculture/horticulture production management.

- Paul Zimmerman/GM

- Silverpeak Farms, Basalt Colorado

THIRD PARTY
OFFICIAL LAB
TESTS NAT
DEVICES



TSS, mg/L	SM ₂₀ 2540-D	2.	< 2.
Reporting Limit, mg/L		2.	2.
Dilution Factor		1	1
Date / Time Analysis		10.29.12 / 13:00	10.29.12 / 13:00
Analyst Initials		BA	BA

TDS, mg/L	SM ₂₀ 2540-C	380.	227.
Reporting Limit, mg/L		10.	10.
Dilution Factor		1	2
Date / Time Analysis		10.2.12 / 09:00	10.2.12 / 09:00
Analyst Initials		BA	BA

TOTAL COLIFORM, MPN/100ml	IDEXX SYSTEM	> 2,419.6	> 2,419.6
E. coli, MPN/100ml	IDEXX SYSTEM	461.	345.
Reporting Limit, MPN/100ml		1.	1.
Dilution Factor		1	1
Date / Time Analysis Initiated		10.26.12 / 14:50	10.26.12 / 14:50
Date / Time Analysis Completed		10.27.12 / 14:30	10.27.12 / 14:30
Analyst Initials		KA	KA

ANALYTICAL NOTES, INTERPRETATIONS, METHOD DEVIATIONS OR ENVIRONMENTAL CONDITIONS:

TSS BLANK: < 1.0 mg/L

TDS

% DEV: PRECISION ACCEPTABLE RANGE 0-10%
 LCS % REC: ACCEPTABLE RECOVERY 80-120%
 TDS BLANK: < 0.0005 g/L

E. COLI

BLANK: ACCEPTABLE LEVEL = NOT DETECTED
 % DEV: PRECISION CRITERION RANGE 0 - 0.26

QC DATA LEGEND - ANALYTICAL FLAGS / QUALIFIERS

Q1: BLANK OUTSIDE METHOD SPECIFIED LIMITS
 Q2: LCS / STANDARD OUTSIDE METHOD SPECIFIED LIMITS
 Q3: MATRIX SPIKE/ MATRIX SPIKE DUPLICATE OUTSIDE METHOD SPECIFIED LIMITS
 Q4: PRECISION / DUPLICATE OUTSIDE METHOD SPECIFIED LIMITS
 QM: MICRO QUALIFIER. SEE INCLUDED NARRATIVE



Andrew Janek, Technical Director
 Bio Chem Lab, Inc.



DATA QUALIFIERS

HT- Holding Time T- Thermal preservation P- pH Preservation V- Sample Volume Inadequate ND- Not Detected
 O- Outside of Laboratory's Accreditation L- Laboratory Error Q- Failed Quality Data

E-COLI AND TDS REDUCTION (PHYSICAL)



TEST REPORT

Report No. CEPS/RAK/860/18

Date: 08-08-2018

Name and Address of the Customer: M/S Mrs. Annie Natural Action Technology, 616 Farooq Azam Street Gali No. 2 Khuttab Shah Masjid, Lahore.
Request Ref # and Date: Nil
Description of Sample: Structure water Device
I/O Log # and Date: 635 dated 23-05-2018
Method used Specs: Standard Methods for the Examination of Water and Wastewater, 21st Edition, 2005
Statement of non compliance: Nil

Sheet No. One of Eight
No. of sample: One
Ref/Code # CEPS/860/18
Temp. & Humidity: 28-37 °C 32-65 %
Testing date: 01-06-18 to 24-07-18

RESULTS

Sr. No	Tests and Parameters*	Results	Device Efficiency
1.	Increased Seedlings Sprout Growth	42% seeds growth in treated water 33% seeds growth in control water	27%
2.	Reduced pathogens, anaerobic & aerobic	Pathogen Inhibition 30% in Treated Milk 25% in Control Milk	20%
3.	Increase Root Length	26% in treated water 23% in control water	13%
4.	Dissolved Oxygen increase	7.3ppm oxygen in treated water 7.8ppm oxygen in control water	7.0 %

*The detail of each test/parameter is described in attached technical report

◆-----◆ END ◆-----◆

- This test/calibration certificate is based solely on the particular sample(s) supplied by the client and should not be reported in part.
- Sampling has not been performed by the PCSIR Labs and PCSIR does not accept the responsibility that the item(s) supplied is/are truly representative item(s) of any batch or stock or entire production.
- While the PCSIR agrees to take every reasonable precaution to ensure validity of its test results, it assumes no liability there of beyond the amount of the fee charged for the analysis/test.
- The party shall assume full responsibility for the ethical use of the results in the test/calibration certificate and the laboratory shall be held free from any and all claims, which may result from the use of such data by the client or others.
- After completion of the test/calibration the sample, if required, will be retained for one month until negotiated otherwise.
- The contents of this certificate cannot be, in any manner, used for the publicity of the product or any advertisement.
- Uncertainty of measurements can be provided on request.



Prepared by:
Dr. Farah Deeba Ahsan
Senior Scientific Officer
CEPS, PCSIR Labs Complex
Section In-charge

8.8.18
Head of the Centre
PSO / Head / PI
CEPS, PCSIR Labs Complex
Lahore - 54000, Pakistan

Counter signature
9.8.18
Director General

Low flow testing for isolation of material transference effects (the piezo effect)

- Flow was limited to 12 drops/min practically eliminating the effect of structuring due to vortexing and isolating the effects the piezo electric effect due to the materials within our flow forms.
- Results were impressive considering the low flow, but also explains why we see better results when combined with the double vortex and verifies the value of the vortex, as well as the piezo effect
- See "Test and Studies"> "3rd party scientific research" for full detailed report

Natural action
portable tests
1 and 3 passes
with vortexing
compared to
non-vortex

Full Report: naturalactiondealer.com



TEST REPORT

Report No. CEPS/RAK/860/18-R

Date: 05-10-2018

Name and Address of the Customer: Natural Action Technology, 23034n 17th drive, Phoenix Az 85027.
Request Ref # and Date: Nil dated: 15-05-2018 Sheet No. One of Eight
Description of Sample: Structure Water Device No. of sample: One
I/O Log # and Date: 635 dated 23-05-2018 Ref/Code # CEPS/860/18
Method used Specs: Standard Methods for the Examination of Water and Wastewater, 21st Edition, 2005 Temp. & Humidity: 28-37 °C 32-65 %
Testing date: 01-06-18 to 28-09-18

Statement of non compliance: Nil

RESULTS

Sr. No	Tests and Parameters*	Structure Water Device Efficiency		
		Low Flow Non-vortex Tests	Quick Flow vortex Tests (01 Time)	Quick Flow vortex Tests (03 Time)
1.	Increased Seedlings Sprout Growth (Wheat)	++	++	+++
2.	Pathogens inhibition (Milk)	+	+++	+++
3.	Increase Root Growth (Onion)	+	++	++
4.	Dissolved Oxygen increase (Water)	7%	13.9 %	30.2 %

*=The detail of each test/parameter is described in attached technical report
+= Low inhibition /growth ≤ 20%
++=Medium inhibition/growth ≤ 45%
+++= High inhibition/growth. ≤ 65%

◆ END ◆

- This test/calibration certificate is based solely on the particular sample(s) supplied by the client and should not be reported in part.
- Sampling has not been performed by the PCSIR Labs and PCSIR does not accept the responsibility that the item(s) supplied is/are truly representative item(s) of any batch or stock or entire production.
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- Uncertainty of measurements can be provided on request.

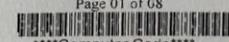


Prepared by:
Dr. Farzana Bashir
Section Incharge
PCSIR Labs. Complex, Lahore

Section Incharge

05.10.2018
Head of the Centre
PCSIR Labs. Complex

Counter signature
Director General



OVERALL BENEFITS:

IMPROVED BIOLOGICAL FUNCTION/INCREASED
PLANT GROWTH

REDUCED WATER USE – INCREASED ABSORPTION

LESS SYSTEM MAINTENANCE

LONGER SYSTEM LIFE

IMPROVED TASTE AND FEEL OF WATER, WINE,
JUICES AND MILK

IMPROVEMENT IN THERAPIES

HEALTHIER WATER
