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A STUDY ON HYDROKALINE WATER

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Abstract— As in the current era everyone is eating unhealthy food. Which is causing so much major health issues like Pressure, High I, type-2 Diabetes, Heart disease and stroke, osteoporosis, some type of cancers, And many more. And there is such need of that can keep the people healthy and solve all the related issues while performing all daily life activities and without wastage of time in medication. The Hydrokaline water is such a structure, that is fit for envisioning these all type of health issues. It makes the water alkaline, micro clustered and antioxidant by the proses of electrolysis or ionization which helps in many of the medical issues.

Keywords— blood Pressure, Cholesterol, type-2 Diabetes, Heart disease and stroke, osteoporosis, Hydrokaline water, alkaline, micro clustered and antioxidant, electrolysis or ionization

I. INTRODUCTION

A. Background ~

The main aim of this project is to make the people healthy only with the help of water, as water is a natural resource and life line of all living being but we drink it after filtering with RO which removes all the minerals and may more helpful ingredients from. which causes many health illnesses, my framework will make the water filled with good amount of **Minerals**, and makes it **Alkaline, Antioxidant, Micro clustered**. Which helps the people to be safe from many types of health issues like High blood Pressure, High Cholesterol, type-2 Diabetes, Heart disease and stroke, osteoporosis and many more.....

My framework work on the proses on electrolysis or ionization which makes the water: -

- 1) Alkaline
- 2) Antioxidant
- 3) Micro clustered

The proses of ionization or electrolysis needs two plates it can be of copper or it can be of titanium

But the titanium plates are more effective than the copper plates. Giving the power to the plates of 24v it starts the proses and in a short period the water gets ready to use.

II. METHODOLOGY

A. The proses of working the framework ~

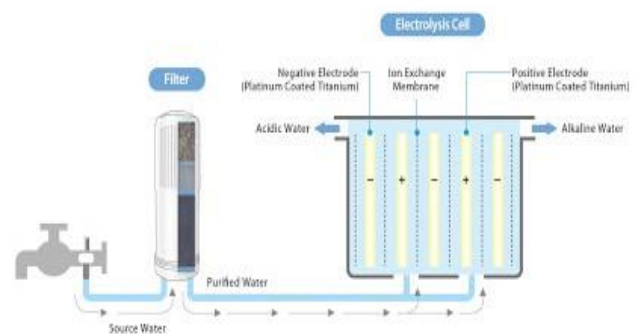


Fig.1 Electrolysis or ionization proses of ionizer

It takes the water from the source like tap or filter or from anywhere else, and it goes with the flow to the mineral cartridge which fills the water with the minerals after that the water moves to the main container where the process of ionization or electrolysis happens which makes the normal water alkaline, micro clustered, antioxidant. In the prototype there are two tap one tap is for the hydrokaline water and another is for normal water with minerals.

(I)

B. Material Required ~

- COPPER PLATE – 2
- CONTAINER -1
- DIVIDER WITH SPONGE -1
- POWER SUPPLY
- MINERAL CARTRIDGE -1

C. Testing PH in the Hydrokaline Water ~

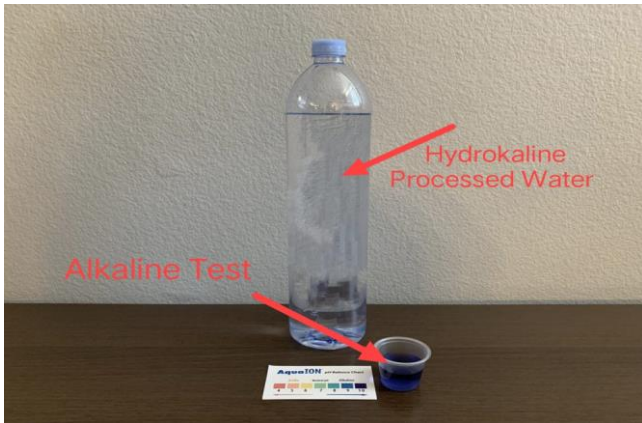


Fig.2 Alkaline test of Hydrokalin Water

As we can see in the *Fig.2* after putting universal indicator in the Hydrokalin water and it turned into blue color liquid that means the PH of it is approximately 8-9.5ph that mean its Alkaline and it can help in acidity, type-2 Diabetes and many more.

D. Testing Antioxidant in Hydrokalin water ~

The reducing power of lemon and vitamin C supplement neutralizes the oxidizing power of the gargle



Fig.3 Testing Antioxidant in Hydrokalin water

A diet high in antioxidants may **reduce the risk of many diseases** (including heart disease and certain cancers). Antioxidants scavenge free radicals from the body cells and prevent or reduce the damage caused by oxidation. The protective effect of antioxidants continues to be studied around the world. And it contains -ORP (oxidation reduction potential), As we know that lemons and vitamin-C supplements also have antioxidants or -ORP which helps to kill the free radicals present in our body. As we can see in the *Fig.3*, we have used gargle in normal water.

Observation- when we put normal tap water in the solution noting happens, when we put lemon juice in the solution so we

saw that the redness from the solution partially gone and after putting the vitamin-C supplement in the solution the free radicals get totally disappear same happens with the Hydrokalin water the free radicals totally disappeared. That also proves that the water also consists of vitamin-C.

E. Testing Micro Cluster in Hydrokalin water ~

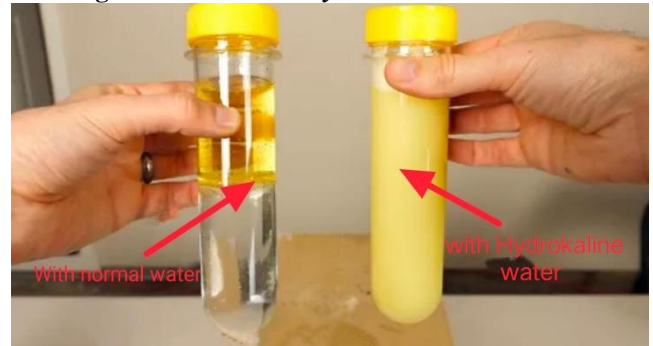


Fig.4 Mixing oil and Hydrokalin water

As we can see in the *Fig.4* oil is not able to mix with normal water but as we can see the oil mixed with Hydrokalin water or ionized water and it possible because of water clusters, in normal water the cluster bonds are of 15-20 cluster so that's why the normal water dose not mix with each other. But in the Hydrokalin water the cluster bonds reduce to 4-6 molecules as shown down in *Fig.5*, so that's the reason the oil mix with Hydrokalin water and it seems to be magical.

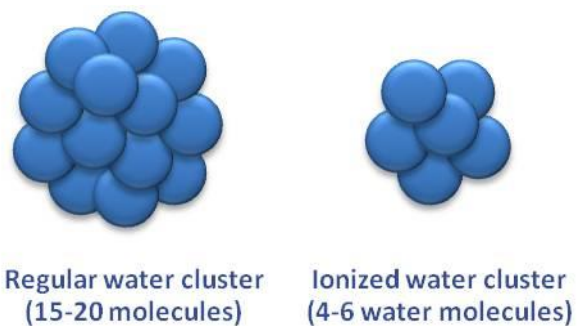


Fig.5 Water Cluster Molecules in normal water and in Hydrokalin water

(2)



III. RESULTS AND DISCUSSION

When this project will be implemented in the realty the people have to only drink water for being healthy and revive from the health illness as it can be use any where i.e. schools, hopitals, hotels, houses and many more places. Infact it is to cheep so every one can oford it. The main aim to make the project was to save life because life is more precious than unhealthy food.

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