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RESEARCH CENTER

Adya Clarity Product Manual



ADYA CLARITY

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Printed in United States | United States Edition
2360 Corporate Circle, Suite 400, Las Vegas,
Nevada 89074. USA.

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WHAT IS ADYA CLARITY?

Adya Clarity is blend of purified water and ionic sulfate minerals that provide a safe and effective way to purify water. Water treated with Adya Clarity delivers superior hydration and has a pure, delicious taste.

Adya Clarity is extracted from black mica, a powerful combination of earth's **naturally occurring minerals**. Through a proprietary process (U.S. patent 4,776,963), Black Mica is extracted for water purification.

In the U.S., Adya Clarity is registered and marketed for water purification. In Canada, Adya Clarity is a registered natural health product licensed by Health Canada. (NPN: 80028256)

SCIENCE BEHIND ADYA CLARITY

1. Water Purification

Adya Clarity contains magnetic sulfate minerals that have ionic and cationic exchange properties - the ability to donate or receive electrons. The magnetic force pulls contaminants (both insoluble and dissolved) away from water molecules and clumps them together into visible particles.

As contaminants clump together and become insoluble, they precipitate out of solution, and cannot dissolve back into the solution. The precipitated contaminants are heavier than water, so they sink to the bottom and can be easily removed, providing you with the most pristine water.

In addition, magnetic sulfate minerals activate oxygen that breaks down carbon waste and neutralizes contaminants, so they are no longer toxic. Activated oxygen also kills disease-causing micro-organisms, and prevents bacterial growth. Minerals keep oxygen activated, so harmful contaminants cannot form or grow back in the water.

In summary, without the use of harmful, synthetic chemicals, the sulfate minerals in Adya Clarity activate water's **natural ability** to cleanse itself from chemical and biological contaminants.

2. Formation of Stable and Balanced Minerals

Adya Clarity contains ionic sulfate minerals, powerful ions that can break up weak mineral bonds. Because a balance of minerals is present in Adya Clarity, it rearranges ions to form strong and stable mineral bonds. For example, when Adya Clarity is added to water, Sodium Fluoride, a toxic mineral salt which has a relatively weak bond, converts to Calcium Fluoride, a harmless mineral salt that appears naturally in underground water sources and in seawater.

BENEFITS OF ADYA CLARITY, PROVEN BY SCIENCE

*** Tested and proven by independent, EPA-certified lab results**

+ Tested and proven by human blood tests

1. Reduces 159 harmful industrial chemicals, including 80 volatile organic compounds.*
2. 100% reduction of chlorine, and reduces chloramines and trihalomethanes to below detectable limits.*
3. Reduces 99.95% of tested pharmaceuticals and basic drugs.
4. Significantly reduces 79 different agricultural chemicals.

5. Reduces heavy metals in water and from the body*, including aluminum, mercury, lead, and arsenic, by an average of 40% in 30 days.
6. Converts toxic chromium-6 in water to beneficial chromium-3, an essential dietary element.
7. Converts toxic Sodium Fluoride in water to harmless Calcium Fluoride, which naturally occurs in various water sources.*
8. Kills 4 types of disease causing micro-organisms and prevents their growth. Reduces up to 99.85% of tested bacteria, viruses and parasites.*
9. Provides up to 100 trace minerals that are easily absorbed by the body.

*** Test results are available here:**

<http://www.waterliberty.com/research.php>

+ Human clinical studies results are available here:

www.waterliberty.com/HeavyMetal30DayStudy.pdf

PROBLEMS: MINERAL DEFICIENCY AND POLLUTED WATER

Minerals are essential to our body. Without minerals, the catalysts of cellular reactions (enzymes) cannot function. For example, proteins that transport oxygen in our red blood cells (hemoglobin) must receive their specific minerals, iron.

Minerals enter our body through foods and water. However, modern industrial and agricultural practices pollute our water and deplete our soil of minerals. Our crops and foods no longer have the correct matrix of minerals.

Millions of people around the world suffer from mineral deficiencies, leading to chronic health issues and metabolic disorders.

ADYA CLARITY PROVIDES A SOLUTION TO BOTH PROBLEMS

Adya Clarity provides you with clean water that has complete minerals in the most readily absorbable forms. Because the minerals are dissolved in water, they are easily taken up by our cells to activate enzymes and waken our organs' activity.

MINERALS YOU RECEIVE FROM DRINKING ADYA CLARITY WATER

The amount of minerals per teaspoon of Adya Clarity (before dilution):

1 teaspoon treats approximately 1.3 gallons (5 liters) of water.

Iron 6.20 mg/tsp
Magnesium 2.05 mg/tsp
Potassium 1.02 mg/tsp
Calcium 0.13 mg/tsp
Phosphorus 0.12 mg/tsp
Manganese 0.11 mg/tsp
Sodium 0.08 mg/tsp
Zinc 0.01 mg/tsp
Vanadium 0.01 mg/tsp

INGREDIENTS IN A 32OZ BOTTLE OF ADYA CLARITY

Iron 1,334.0 PPM
Magnesium 451.0 PPM
Potassium 271.0 PPM
Calcium 45.0 PPM
Phosphorus 30.5 PPM
Manganese 21.6 PPM
Zinc 2.1 PPM

PPM = parts per million (units used to measure mineral concentration) = milligram per liter

Adya Clarity contains up to 80 trace minerals, including aluminum, cobalt, copper, germanium, lithium, molybdenum, nickel, rubidium, selenium, silicon, titanium, tungsten, vanadium. Because Adya Clarity is a natural substance, mineral composition can vary slightly.

VARIETY OF USAGES

Adya Clarity can purify water for:

- Beverages, from juice, soda, coffee to tea
- * Note: Flavor may alter slightly after adding Adya Clarity
- Cooking
- Cleaning agent (e.g. pool, hot tub)
- Bath (e.g. body and foot bath)
- Agriculture (e.g. fertilizer)
- Aquaculture
- Pets

INSTRUCTIONS

How much Adya Clarity should I add?

The amount depends on the quality and type of water used. For most water, we recommend a dilution ratio of 1:1000. To calculate the amount of Adya Clarity you need, divide the volume of water by 1000.

**Amount of Adya Clarity added =
(Volume of water/1000)**

E.g. (1000ml of water/ 1000) = 1ml of Adya Clarity
= 1/5 teaspoon = 20 drops

For polluted water, you may need to add a few more drops or up to a teaspoon to remove all contaminants. The water may turn cloudy or change color 1-5 minutes after adding Adya Clarity, as the dissolved contaminants are precipitating out of the water. If the water source is believed to be extremely contaminated by known or unknown toxic substances, proper laboratory analysis will be required in order to give accurate dilution rates.

	Recommended Dosage per 1.3 gallons (5 liters) of Water
Tap Water	1-2 teaspoon
Filtered Water	1 teaspoon
Spring Water	1/2 teaspoon
Distilled Water	

When treating a small amount of water, we recommend **adding 5-8 drops for every 8oz of water.**

Volume of Water	Recommended Dosage
8oz (237ml)	5-8 drops of Adya Clarity from a dropper bottle
16oz (437ml)	10 drops
32oz (946ml) (1 quart)	20 drops

What should I do after adding Adya Clarity to the water?

- **Stir** Adya Clarity with water to ensure contaminants are binding to the minerals in Adya Clarity.

- **Keep the lid off your container** to allow gaseous contaminants to evaporate, particularly Chlorine, their byproducts and Volatile Organic Compounds.
- If adding to bath water, please ventilate area.
- **Do not refrigerate water during treatment.** Cold temperature slows precipitation.

How long do I wait before drinking the water?

- If you are confident that the starting water is clean (e.g. distilled, filtered and spring water), you can wait 5-15 minutes before drinking.
- When treating water in a restaurant, the suggested wait time is 5-15 minutes.
- It is ideal to let it dwell overnight to ensure all contaminants are neutralized.
- For polluted water, the suggested wait time is 24 hours. It can take up to 72 hours to neutralize all impurities and complex contaminants, such as micro-organisms.

What affects the speed of precipitation (i.e. dissolved contaminants becoming insoluble)?

1. **Temperature:** Precipitation is faster with warm water and slower with cold water.

Heat or cold does NOT affect the efficacy of Adya Clarity

2. Amount of contaminants: Precipitation happens sooner with more contaminated water.

Why didn't I see any sediment after adding Adya Clarity?

The effects may vary depending on the amount and types of contaminants in the water.

- Cloudiness and color change are signs of the initial purification steps, as the dissolved contaminants are coming out of solution. After a period of time, contaminants may clump together and form precipitates that settle to the bottom of your water container.
- Complex contaminants, like micro-organisms, may take longer to treat and you may not observe the effect immediately. The recommended wait time is 24-72 hours.
- Inorganic minerals and heavy metals sink.
- Chlorine, Fluoride and other gaseous contaminants evaporate off the top.
- You may not observe any sediment, if the starting water is clean (i.e. distilled, spring water) and there are not enough contaminants in the water to form precipitate.
- Try warming up the water. Warm temperature speeds up the precipitation process.

For more information, please visit www.waterliberty.com/helpdesk/.

How much Adya Clarity should I add to treat water used for baths, hot tubs and pools?

The dilution ratio is 1:1000, same as drinking water.

	Volume of Water	Dosage Required	Notes
Bath	Average bathtub	3 tablespoons	Wait 5 minutes before bath.
Foot Bath	A large bowl	1 tablespoon	
Hot Tub	1.3 gallons	1 teaspoon	Adya Clarity Water in a hot tub is good for 8 months.
Pool	1.3 gallons	1 teaspoon	

Although the precipitated sediment is harmless and inert, how can I remove it from water?

- The most effective method is to use the **Adya Water Filtration System**.
- You may filter out the sediment using home remedies:
 - ◆ Coffee filter
 - ◆ Cheese cloth

** In order to avoid small sediments from passing through, do not apply too much pressure when filtering with a coffee filter or cheese cloth.

- You may pour the purified water at the top to another container, made of:
 - ◆ Glass
 - ◆ Stainless steel
 - ◆ Ceramic
 - ◆ Plastic (free of BPA)

ADYA WATER FILTRATION SYSTEM



The Adya Water Filtration System is a gravity fed, free standing device that does not require electricity and is BPA free.

For best results, we recommend using Adya Clarity in conjunction with the Adya Water Filtration System.

	Capacity	Filter	Function
Top Tank	1.3 gallon (5 liters)	Micro Ceramic Filter	Small pore size of 0.2 microns prevent larger particles from passing through.
Bottom Tank	3 gallons (10 liters)	4-Layer Earth Filter contains: <ul style="list-style-type: none"> • Activated carbon • Silica • Zeolites • Silver impregnated bio ball 	<ul style="list-style-type: none"> • Activated carbon absorbs organic chemicals. • Zeolites trap contaminants in water due to their ion exchange capacity. • Silver impregnated bio ball removes disease causing germs.

Diagram of a 4-Layer Earth Filter in the Bottom Tank:



HOW TO USE THE FILTRATION SYSTEM

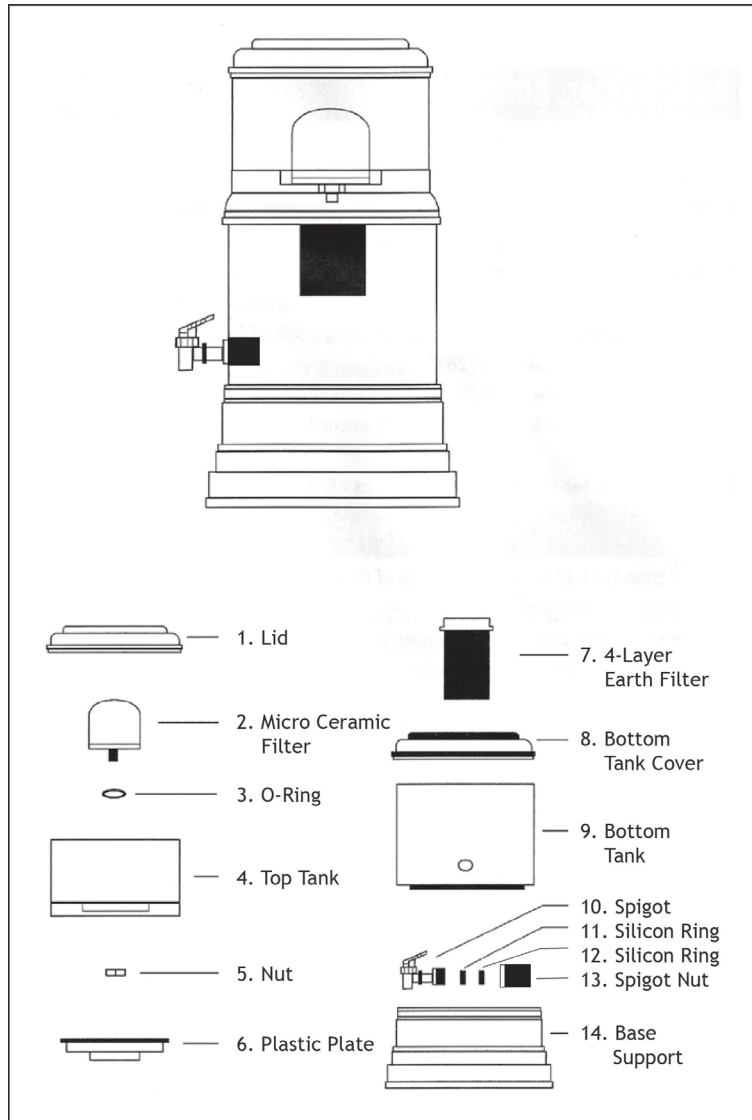
1. In a separate container, treat water with Adya Clarity for >24hours.
2. Pour the treated water in the Top Tank.
3. The water is ready to drink once it passes through the system.

Note: If untreated water is poured into the Top Tank, dissolved contaminants may pass through the filter.

CLEANING AND REPLACEMENT

	Cleaning	Replacement
Micro Ceramic Filter in Top Tank	<p>How?</p> <ul style="list-style-type: none"> • Wipe filter with soft cloth using water (without soap and detergent). <p>How often?</p> <ul style="list-style-type: none"> • To ensure optimal function, clean every 2-3 days and every 2-3 gallons of water. • Clean to remove orange or brown stain, caused by contaminants that run through the ceramic filter. 	<ul style="list-style-type: none"> • For best performance, replace every year or 1,000 gallons. Note: This may vary depends on water quality, daily usage and how the unit is maintained. • Replace filter when: <ul style="list-style-type: none"> - Exterior is worn though to the comb section of the filter. - Flow rate is severely reduced.
4-Layer Earth Filter in Bottom Tank	No cleaning is necessary.	<ul style="list-style-type: none"> • Replace every 6 months or 500 gallons.

COMPONENT DIAGRAM



TROUBLESHOOTING

System is filtering slower than usual

- This is a gravity fed system. When there is more water in the Top Tank, water will pass through more quickly. Overfilling the Top Tank may overflow the Bottom Tank.
- Please keep in mind of the room available in the Bottom Tank.
- The ceramic filter may be clogged. Replace with a new filter.

LEAKING FILTER AND WATER SPOUTS

Please consider the following:

1. Make sure the Silicon Rings are on each side of the Spigot.
2. Check to see that the Spigot and Spigot Nut are not over or under tightened.
3. Carbon or debris from bottom filter may get into spout, causing it to not seal completely. To flush out debris, open spout fully for 7-10 seconds for a few times.

If it continues to leak, please contact us, and we will send out a replacement.

FREQUENTLY ASKED QUESTIONS

General Information

1. What is the pH of Adya Clarity?

Without dilution, Adya Clarity has a pH around 3.5, similar to many citrus fruits. Water purified with Adya Clarity has a pH of 6.5-6.9, an ideal pH for drinking water. This can vary based on the water you are treating.

2. Where is Adya Clarity sourced? Where is the factory located?

Adya Clarity is extracted from iron-rich Black Mica, sourced from Japan.

The factory is located in Japan about 45km west of the Fukushima power plant. The Fukushima incident blew the opposite way of the factory, so the area is NOT affected by radiation. Furthermore, there are many mountains over 3000 feet high between the power plant and factory, forming a defensive barrier.

After the meltdown, we tested our products for radioactivity. Radioactive levels were not detectable and were proved to be safe.

Test results are available here: www.waterliberty.com/adyadocs/Radiation-Test.pdf

3. Why is Adya Clarity kept in a plastic bottle? Is that safe?

The bottle used to package Adya Clarity is made of food-grade, high density polyethylene (HDPE) plastic. HDPE is a lightweight, easily recyclable, and non-toxic material that is one of the most common varieties of plastics in the world.

Glass is not used for bottling, as it can break easily during shipping. Packaging Adya Clarity in stainless steel or glass increases weight of shipping, carbon imprint, and shipping cost.

4. How should I store Adya Clarity and water treated with Adya Clarity?

Adya Clarity has indefinite shelf life, as long as it is stored in dark, cool area (avoid sunlight). It does not need to be refrigerated after it is opened.

Water treated with Adya Clarity should be stored in containers made of glass, stainless steel, ceramic, or BPA free plastic (HDPE #2 is recommended). Refrigeration is not necessary.

5. What is the function and concentration of Aluminum Sulphate in Adya Clarity?

Aluminum Sulphate is essential to the water purification process by pulling heavy metals from water clusters. It reduces heavy metal levels in water and inside the body. According to our human clinical

studies, levels of heavy metals and aluminum in their bodies were REDUCED by 42% after consuming Adya Clarity for just 30 days. See the results here: <http://www.waterliberty.com/HeavyMetal30DayStudy.pdf>

Aluminum Sulphate is a mineral salt found in many foods, such as bananas and celery, and is not harmful to the body.

In Adya Clarity, Aluminum Sulphate is present in extremely low concentration. The concentration is 1200 parts per million in 0.26 gallons of UNDILUTED Adya Clarity. Most of the Aluminum is consumed after reacting with contaminants. The aluminum concentration is further reduced after filtering. According to laboratory results, the level was well below EPA limits.

6. Is there a limit on how much Adya Clarity should be used in a day?

As long as you properly dilute Adya Clarity, you will not exceed the limit. The minerals are very diluted after Adya Clarity is added to water.

7. What kind of water can be treated with Adya Clarity?

Any water, except salt water or de-ionized water. Please note that Adya Clarity does not remove the saltiness in water.

Pregnant Women and Children

8. Can I use Adya Clarity during pregnancy and nursing?

Yes, it is safe to consume Adya Clarity during pregnancy and nursing. Adya Clarity can be used as a supplement, providing minerals and proper hydration to you and your baby. Before increasing the dosage of Adya Clarity, you should speak with your doctor about the recommended mineral intake.

9. How much Adya Clarity water should children drink?

To determine the amount of Adya water needed in a 24 hour period, divide the person's weight in pounds by 2 and add the unit of ounces. As an example given a body weight of 50lbs, when divided by 2 the result is 25, therefore they would need 25oz of water in a 24 hour period.

$(\text{Child's weight in lbs}/2) = \text{Amount of water drink in ounces}$

Medical Concerns

10. Can I consume Adya clarity while on other medications?

The mineral salts in Adya Clarity are in sulphate form. Sulphates are found in fruits, vegetables and table salt. Some mineral salts may affect the absorption of certain medications, mostly antibiotics. You should consult your doctor or healthcare provider to check whether your medications require avoidance of certain minerals salts.

11. Does Adya Clarity affect my aluminum filling or other medical implants?

If you properly dilute Adya Clarity, it does not affect fillings, pacemakers, or other dental/medical/metal implants. There have been no reports on problems related to mercury filling. It is uncommon for the metal fillings to precipitate out and leave grey streaks in your teeth. The grey streaks will go away over a short period of time.

12. Why do I experience “detoxification symptoms” after drinking Adya Clarity water for the first time?

Your body may have accumulated waste and toxins. Drinking Adya Clarity may trigger the detoxification process.

The detoxification symptoms may vary between individuals. Most people experience headaches, dizziness and rashes.

To alleviate the symptoms, it is recommended that you reduce the dosage of Adya Clarity by half, and greatly increase your water intake.

To help remove toxins more quickly, you may try a colon cleanse, in addition to taking Adya Clarity.

13. Why does the Adya Clarity water have a “weird” taste?

You may have heavy metals build up in your body; this will go away after a few days to several weeks. If the taste is too strong, it is recommended that you reduce the dosage of Adya Clarity by half.

For other frequently asked questions, please visit: <http://www.waterliberty.com/helpdesk/>

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