



FAQ'S

GENERAL INFORMATION

What is the CellPower Hydrogen Water Bottle?

Much more than a water bottle, the CellPower is a piece of technology poised to transform the way you think and consume water. Utilizing its groundbreaking technology, CellPower generates the purest hydrogen rich water, delivering a range of potential health benefits supported by research. Moreover, it features three distinct sets of frequencies beaming from above to infuse your water, as well as intricately calibrated magnets in the base mimicking the magnetic field of the Earth's core.

Who designed the CellPower Hydrogen Water Bottle?

The CellPower Hydrogen Water bottle is a visionary creation, meticulously designed by the innovative mind of Nuno Nina.

Nuno Nina boasts extensive experience in the field of Integrative Medicine, having guided over 70,000 clients throughout his clinical practice. With a background in Mathematics, Systems Engineering, and Biochemistry, Nuno is the founder and director of the IM-Integrative Medicine Clinic in Lisbon. Deeply engaged in the realm of electrotherapy, he has spearheaded the development of medical devices and supplements, ultimately revolutionizing the experience of consuming hydrogen-rich water.

What are the dimensions and capacity of the bottle?

The dimensions of the CellPower Hydrogen Water bottle are Diameter: 6cm (approximately 2.36 inches) and Height: 22cm (approximately 8.66 inches), with a capacity of 320mL (approximately 10.82 fluid ounces).

What materials is the bottle made of?

The CellPower Hydrogen Water bottle container is made of Tritan, a durable material known for its safety and resilience. Tritan is a remarkable polymer known for its exceptional properties : safe and non-toxic, meaning free from harmful chemicals like BPA, BPS, and any other bisphenol compounds, making it a safe choice for storing consumable liquids; highly durable and can withstand regular use, accidental drops, and temperature variations without compromising its structural integrity; resistant to retaining odors and stains, ensuring your bottle remains fresh and hygienic even after repeated use; and, last but not least, Tritan is lightweight, making it convenient to carry around, whether for daily use or while traveling.

The lid and base of the CellPower Hydrogen Water bottle are made of aluminum, ensuring durability and adding to its overall design aesthetics.

FEATURES AND TECHNOLOGY

How does the CellPower Hydrogen Water Bottle work?

The CellPower utilizes an electrolysis process, which involves breaking down water into its elemental components (hydrogen gas and oxygen gas) using an electric current.

This process happens within the bottle when water, either filtered or bottled, is placed inside. The water undergoes electrolysis when an electric current is passed through it, resulting in the separation of hydrogen and oxygen. While oxygen is generated in the lower compartment and subsequently released, along with other byproducts, through the base, molecular hydrogen gas is generated in the upper compartment and dissolves into the water to be consumed. This process enhances the water's molecular hydrogen concentration, potentially providing benefits.

Simultaneously, through our lid, you have the power to customize your hydration experience, by selecting a frequency that resonates with you: Energy - for an instant boost of vitality; Recovery - crafted to aid and speed up the recovery process ;and LumiVitae - that mirrors the invigorating effects of the sun on water, merging natural processes with advanced technology.

What kind of technology does the bottle use for hydrogen production?

Electrolysis is the process used in the CellPower Hydrogen Water bottle to produce hydrogen: it involves using an electrical current to induce a chemical reaction that splits water into its fundamental elements: hydrogen (H₂) and oxygen (O₂).

This is achieved using a special PEM membrane and electrodes (anode and cathode) within the bottle core. When electrical current is applied across the water using those two electrodes, water begins to break down and the membrane acts as a separator. At the cathode (the upper electrode that is in contact with the container), hydrogen gas is formed and then dissolved in water, enriching it with molecular hydrogen. All products formed at the lower electrode/anode (such as oxygen gas) are eliminated through a drainage channel at the base.

To ensure a clean, safe, and effective process, we use high-quality membranes and electrodes, along with appropriate voltage, to guarantee the production of pure hydrogen-rich water without the presence of unwanted byproducts and metal leaching.

What are the unique features of the bottle?

In addition to hydrogen water production through a unique electrolysis technology (utilizing its own electrodes and membrane), the CellPower Hydrogen Water Bottle boasts other distinct features:

- Chromotherapy.
- Three sets of frequencies (Energy, Recovery, or LumiVitae) emitted through the lid to infuse your water.
- Intricately calibrated magnets in the base mimicking the magnetic field of the Earth's core.
- The first hydrogen water bottle that is water-resistant and capable of wireless charging.

What is the voltage used in the electrolysis process?

In the realm of molecular hydrogen production, the value of the voltage plays a pivotal role in ensuring safety. A lower voltage inherently reduces the risk associated with the formation of undesirable by-products. The CellPower Hydrogen Water bottle operates at the lowest possible setting of 1.8V.

What type of electrodes does the bottle use?

The CellPower Hydrogen Water bottle uses coated Platinum-Titanium electrodes. Currently, Pt-Ti stands out as the best material available for this purpose, providing unparalleled effectiveness and durability.

HEALTH BENEFITS

What are the health benefits of drinking hydrogen-rich water?

Molecular hydrogen is recognized as a gas with potential therapeutic effects. Research indicates benefits for various organs and potential therapeutic effects for over 170 disease models, highlighting the following properties:

- **Antioxidant-Like Effects:**
Molecular hydrogen exhibits antioxidant-like effects through signal modulation, influencing metabolic pathways and upregulating the body's own antioxidants, selectively targets harmful radicals, thereby protecting cells from damage and reducing oxidative stress, which is linked to aging and various diseases.
- **Anti-Inflammatory Effects:**
H₂ has been shown to exhibit anti-inflammatory properties. It helps modulate the body's inflammatory responses.
- **Anti-Allergic Effects:**
Molecular hydrogen may help alleviate allergic reactions by modulating immune responses.
- **Anti-Aging Benefits:**
The antioxidant and regulatory effects of molecular hydrogen contribute to its anti-aging benefits. By reducing oxidative stress and promoting cellular health, H₂ may help slow the aging process and enhance overall well-being.

Does hydrogen-rich water have antioxidant properties?

Hydrogen is often marketed as a "powerful" antioxidant. However, scientifically speaking, hydrogen does not act as a direct antioxidant like Vitamin C or glutathione. Unlike these conventional antioxidants, hydrogen has a unique mechanism - It doesn't directly neutralize harmful molecules but influences the body's processes to enhance our natural defenses against them. While hydrogen is not a conventional antioxidant, it exhibits antioxidant-like effects through signal modulation, influencing metabolic pathways and upregulating the body's own antioxidants, selectively targets harmful radicals, and helps prevent imbalance in the body.

USAGE AND MAINTENANCE

How do you use the CellPower Hydrogen Water Bottle?

To use the CellPower Hydrogen Water Bottle, simply fill the bottle with filtered or bottled water and activate the hydrogen production cycle using the button on the base. At the same time, you can choose to run one of the three sets of frequencies (Energy, Recovery, or LumiVitae) to infuse your water by using the button on the lid.

How often does the bottle need maintenance or cleaning?

The CellPower Hydrogen Water bottle is designed to be low maintenance and easy to clean. No maintenance is required, apart from occasional battery charging. There's no need for any additional maintenance such as filter changes. We recommend a simple daily cleaning routine to maintain the bottle's performance and longevity: You can use plain water or a few drops of lemon to eliminate potential odors, unpleasant tastes, and residues. Do not use detergent or place it in the dishwasher. Use a non-abrasive sponge or cloth to clean the bottle gently.

What accessories are included with the bottle?

The CellPower Hydrogen Water bottle includes a USB-C Charging Cable and a Wireless Charging Pad, providing you with convenient options for keeping your bottle powered up.

Is the bottle portable and easy to carry?

Yes, the CellPower Hydrogen Water bottle is designed to be portable and easy to carry. Its sleek and compact design allows for convenient transportation, fitting into most bags, backpacks, or cup holders. Whether you're heading to the gym, office, or outdoor adventure, you can take the benefits of hydrogen-rich water with you wherever you go.

SAFETY AND QUALITY

Is the bottle made from food-grade and BPA-free materials?

Yes, the CellPower Hydrogen Water bottle is made from Tritan, ensuring the water container is of food-grade quality. Tritan is a remarkable polymer known for its exceptional properties : safe and non-toxic, meaning free from harmful chemicals like BPA, BPS, and any other bisphenol compounds, making it a safe choice for storing consumable liquids; highly durable and can withstand regular use, accidental drops, and temperature variations without compromising its structural integrity; resistant to retaining odors and stains, ensuring your bottle remains fresh and hygienic even after repeated use; and, last but not least, Tritan is lightweight, making it convenient to carry around, whether for daily use or while traveling.

How does the bottle ensure the purity and safety of the hydrogen produced?

To ensure a clean, safe, and effective process, CellPower uses high-quality electrodes and membranes, along with appropriate voltage, to guarantee the production of pure hydrogen-rich water without the presence of unwanted byproducts and metal leaching.

- The material and quality of the electrodes can influence the longevity of the device and the purity of the hydrogen produced. If the electrodes degrade over time or if they are constructed from less inert materials, metal ions might leach into the water, leading to contamination. Platinum and titanium electrodes are considered premium choices.
- The unique features of this special PEM membrane, designed by Nuno Nina, include complete cavity separation, an efficient discharge system, and a specialized airway design. This ensures the production of pure hydrogen-rich water, guaranteeing the separation and elimination of all unwanted by-products (e.g., chlorine, ozone).
- In the realm of H₂ production, the value of voltage plays a pivotal role in determining safety. A lower voltage inherently reduces the risk associated with the formation of undesirable by-products. CellPower employs a voltage of 1.8V in its H₂ production process -the lowest possible setting.

What measures are in place to deal with by-products of the electrolysis process?

Electrolysis is a messy process, meaning that in addition to the formation of hydrogen gas and oxygen gas, it leads to the production of numerous undesirable compounds (e.g., chlorine and ozone) at the anode. In order to control this process, a very low voltage is used (1.8V - reducing the formation of these compounds), and a high-quality PEM membrane is utilized (effectively separating the content intended for consumption from the content to be eliminated through continuous drainage), with the cathode in contact with the water for consumption and the anode in contact with the substances to be eliminated.

SHIPPING AND ADDITIONAL COSTS

Is shipping free for the CellPower Hydrogen Water Bottle?

Shipping will be calculated and displayed during the checkout process.

Are taxes and import duties included in the price?

Taxes and duties will be calculated and displayed during the checkout process.

MISCELLANEOUS

How long does the water stay hydrogenated?

While the bottle is designed to maintain the water's proper hydrogen gas concentration for up to 2 hours, it's recommended to consume the entire content within 30 minutes after completing the cycle. This ensures optimal benefit and potency of the hydrogen-rich water.

Is the bottle water-resistant?

Yes, the CellPower Hydrogen Water bottle is water-resistant, which means it can withstand exposure to water to a certain extent. However, it's important to note that being water-resistant is different from being waterproof. While the bottle can handle light exposure to water, it's not designed to be completely sealed against water ingress or submersion.