

SUSTAINABLE TECHNOLOGIES
TO COMPLETELY REPLACE CHEMICAL COMPOUNDS THAT
THREATEN HUMANITY AND ECOSYSTEMS

LONTRA
Keep It Pure

PRODUCT INTRODUCTION



GEN21 GROUP

LONTRA

Pioneering the Global Chemical-Free Market

Lontra, which can only live in first-grade water

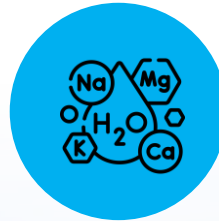
Meeting LONTRA's clean technology, which replaces all types of chemical products, will create a pleasant environment where Lontra and humans can coexist harmoniously.



Nano Bubbles
Technology



Electrolysis
Technology



Mineral synthesis
Technology



Green
Technology



"Lontra" means otter in Italian. Otters thrive only in clean 1st grade water, which is also considered the safest and cleanest water for humans

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GEN21 GROUP

LONTRA

Patented Mineral Synthesis Tech
“Mineral Detergents”

A natural, pure, non-foaming detergent that completely cleans
and deodorizes without any foam!



Is it really possible to clean and deodorize
without foaming?



Why you should choose MINERAL WASH

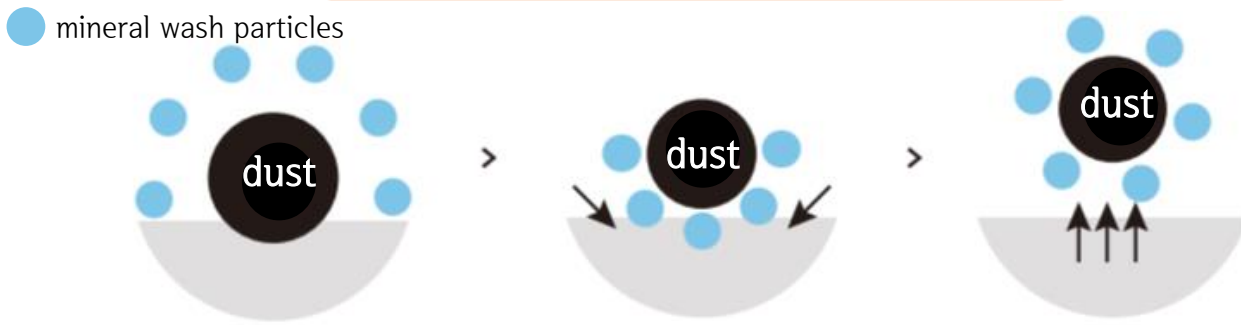
- ✓ No detergent residue-No harm to health.
- ✓ Beneficial to the environment>Returns to water after washing without foaming.
- ✓ Cost effective-Save water, time, electricity, and labor.
- ✓ Eatable ingredients-Safe even if it comes in contact with the skin.



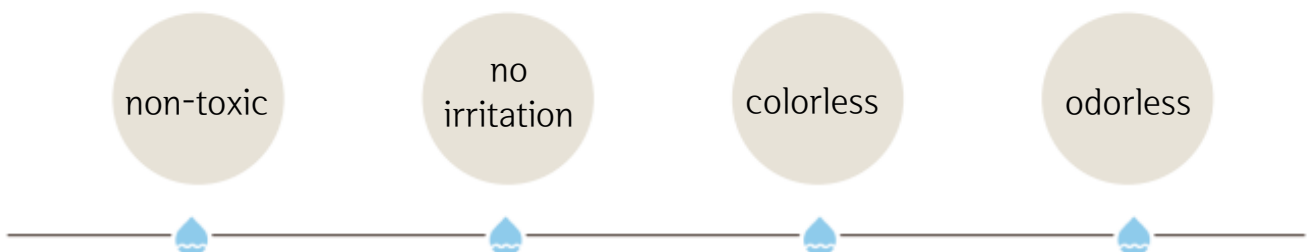
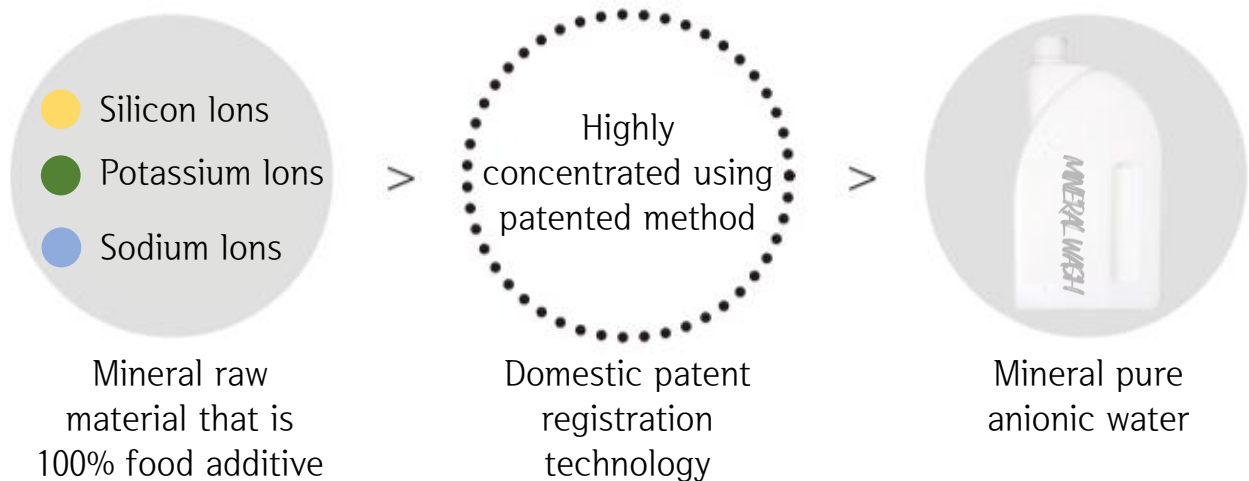
Powerfully removes contaminants with minerals smaller than water particles.

Even without surfactants (foam), mineral particles smaller than water particles penetrate between contaminants and remove only the contaminants before returning to nature. MINERAL WASH is a non-foaming detergent that is good for both people and the planet.

MINERAL WASH's contaminant removal principle



Drinkable detergent MINERAL WASH is a perfect non-foaming detergent that returns to water after removing contaminants.



Powerful effectiveness and safety have been proven by an accredited institution.

MINERAL WASH is a natural mineral ingredient that has not only been proven safe in skin irritation tests, but also has various effects including sterilization, deodorization, and removal of pesticide residues.



10 hazardous substances detection test



Skin irritation test



Surfactant detection test



10 Patent for deodorization and disinfection



Deodorization test



Sterilization test



Self-quality inspection



Patent for decomposition of pesticide residues

Products of Patented Mineral Synthesis Tech “Mineral Detergents”



1. Landry Detergent

Without bubbles and harmful ingredients, this economical product swiftly removes dirt with its own mineral-based surfactants, reducing the need for rinsing and saving both time and water. It leaves no residue on laundry, making it a natural detergent suitable for sensitive skin, infants, children, and the elderly

If the capacity is 9kg or more, use 30ml, and for 4-8kg, use 15ml for optimal results. When cleaning the washing machine, pour 150ml and rinse the tub with warm water



2. Kitchenware Sterilization Water

After washing dishes, it cleanly removes any detergent residue or fluorescent substances left on dishes and completely sterilizes dishcloths, cutting boards, scrubbers, etc.

Add 10ml (3 pumps) per 2 liters of water, mix, soak kitchen utensils to be cleaned for 10 to 15 minutes, and rinse under running water.



3. Fruit and Vegetable Cleanser

The patented mineral component that decomposes pesticide residues removes harmful substances such as pesticides and waxes and protects the cells of crops to maintain their freshness.

Add 10ml (3 pumps) per 2 liters of water, mix, soak fruits and vegetables for about 5 minutes, and then wash well under running water.

Products of Patented Mineral Synthesis Tech “Mineral Detergents”



4. Deodorizer

100% mineral completely deodorizes odors in closets, bathrooms, shoes, refrigerators, etc. by removing the cause of odors without artificially covering them up.

If you select Plus, the lemon flavor used in the drink is added to add a

If you spray it on blankets, curtains, coats, bathrooms, shoe cabinets, etc., you can completely remove the odor.



5. Pet Odor Eliminator

Clean and deodorize your precious pet's blankets, litter pads, dishes, toys, etc. with pure minerals. It is safe to spray directly on pets.

Spray a certain amount on the area that needs cleaning and wipe it. Spray a certain amount on the space or fabric that needs to be deodorized. Wipe off any areas where stains may remain after cleaning.



6. Stubborn Stain Cleanser

Spray it on fans, microwaves, refrigerators, etc. and wipe it 2-3 times after 10 minutes. Minerals smaller than water molecule will break down and cleans stubborn dirt and grease.

After spraying an appropriate amount on the area to be cleaned, wipe 2-3 times with a dishcloth or kitchen towel to make sure no minerals remain. It is more effective if you spray an appropriate amount on the range hood and then rub it with a soft brush.

LONTRA

Patented Mineral Synthesis Tech “Mineral Solution for Agriculture & Livestock Sector”

An environmentally friendly product devoid of microorganisms and chemical components, derived from pure ionized mineral water concentrated through a patented method of food additive extraction



Dependency on chemical pesticides and fertilizers for productivity enhancement in the agricultural and livestock industry sector is severe.



Pesticide



Fertilizer



Livestock Sector

- Air pollution leads to weakened immunity in livestock.
- Deterioration of indoor environmental conditions in barns results in a mortality rate exceeding 10% and recurrent respiratory diseases.
- Outbreaks of diseases such as respiratory illnesses occur.
- Increased mortality rates and antibiotic usage.
- Foul odors and harmful gases from livestock waste, leading to soil and water pollution from effluents.



Agricultural Sector

- Decreased mineral content in crops leads to quality deterioration and health threats from consumption
- Mineral content in crops has decreased by over 1/5 compared to 20 years ago, resulting in diminished taste and health risks.
- Accelerated soil compaction due to acidification, chemical fertilizers, and pesticide use, leading to the extinction of beneficial microorganisms.
- Continued exacerbation of reliance on pesticides and chemical fertilizers to increase productivity.
- Destruction of river ecosystems due to pesticide components.
- Chemical pesticides are sprayed 10-15 times annually to prevent disease and pest infestations.



The purpose of using LONTRA Mineral Solution

LONTRA mineral water not only has effects such as sterilization and deodorization but also, when used as drinking water for animals, promotes metabolism, increases immune cells, reduces mortality rates, and supplies sufficient minerals to crops, thereby enhancing their growth.



Drinking water for livestock	Spraying within livestock barns	Applying to the soil (as a substitute for fertilizers)	Spraying on crops (as a substitute for pesticides)
<ul style="list-style-type: none"> • Enhanced nutrient absorption and digestion efficiency • Reduction in ammonia emissions leading to odor reduction • Promotion of metabolism and increase in immune response • Improvement in meat quality and enhancement of taste • Reduction in antibiotic usage due to antibacterial action • Thickening of eggshells and decrease in cracked egg count (by approximately 30%) • Increase in the quantity of large and extra-large eggs compared to regular eggs 	<ul style="list-style-type: none"> • Reduction of various odors and ammonia gas in all livestock barns when sprayed indoors • Disinfection and antibacterial action within the barn • Decrease in mortality rates due to environmental improvement 	<ul style="list-style-type: none"> • Strengthening of vitality as roots penetrate deeply into the soil in crops • Prevention of diseases and pests leading to a doubled harvest yield • Extension of harvest periods with the possibility of prolonged harvesting 	<ul style="list-style-type: none"> • Direct supply of lacking minerals to crops, enhancing sweetness • Ability to implement bee-friendly farming methods without pesticide spraying • Firm tissue in crops, preventing softening symptoms and allowing for long-term storage • Protection against various diseases and pests, serving as a pesticide alternative

Application cases of LONTRA Mineral Solution

Application case in pig farming facilities

- Company Name: Yangsan Farm (Representative: Yoon Gichan)
- Livestock Type: Contracted fattening pigs, 1,200 heads
- Test Period: 2 months
- Application Method: Supply of mineral drinking water | Spraying for odor control



- Internal ammonia gas reduced by 93% in the barn
- Significant reduction in pig manure odor
- Over 50% decrease in mortality rate due to diseases
- Significant improvement in pig growth due to improved barn environment

Application case in poultry farming facilities

- Company Name: Seoul Farm (Representative: Kwak Sunmoon)
- Livestock Type: Layer chickens, 13,000 heads
- Test Period: 2 months
- Application Method: Supply of mineral drinking water | Spraying for odor control



- 50% reduction in odor from excrement in the layer barn
- 30% decrease in the production of blue eggs (cracked eggs)
- Larger and heavier eggs compared to regular eggs, such as large and extra-large eggs
- Differentiated changes in taste and texture

Application cases of LONTRA Mineral Solution

Application case in chili pepper farming

- Company Name: Self-testing Cultivation
- Crop: Chili Pepper
- Application Frequency: 5 times
- Application Method: Direct spraying on soil and crops



VS



Application case in apple farming

- Company name: Bonghwa, Gyeongbuk
- Crop name: apple
- Number of applications: 5 times
- Application method: Direct spraying on soil and crops

Division	Sweetness			
①Control group (not applied)	11.7	12.3	12.2	12.06
②Root irrigation 5 times	14.3	14.5	14.2	14.33
③Spray 3 times with mixed nutrients	13.5	13.0	13.8	13.43
④Spray 2.5 times once just before picking	13.6	13.2	12.9	13.23

- Enhances the sour and sweet taste of fruit
- The tissue becomes stronger and the storage period becomes longer
- Flower buds grow thickly and grow quickly

Patented Mineral Synthesis Tech “Mineral Solution for Industrial Sector”

LONTRA Mineral stands as an impeccable detergent, boasting potent pH14 cleansing prowess and the inherent safety of natural minerals. Its corrosion-free formula ensures perpetual utilization of factory equipment with utmost reliability.



FOOD WASTE FACILITY ODOR CONTROL



FACTORY AND OFFICE CLEANING



FACILITY & MACHINERY PARTS CLEANING



FOOD COMPANY FACILITY CLEANING

LONTRA Mineral's distinctive advantage

- Additive-free: no surfactants, brighteners, preservatives, or bleaches
- Exceptional stability: colorless, odorless, non-irritating, non-toxic
- Powerful cleaning efficacy with a pH of 14
- Formaldehyde removal capability: 89.8% within 30 minutes
- Residual pesticide degradation: effectively decomposes highly toxic pesticides
- Exceptional germicidal efficacy: 99.9% elimination of Escherichia coli and Staphylococcus aureus
- Exceptional deodorizing ability: 81% removal of ammonia within 10 minutes
- Substitution of harmful substances - Safely prevents accidents by replacing caustic soda, bleach, and the like
- Eco-friendly - Improvement in environmental pollution through anion and dissolved oxygen

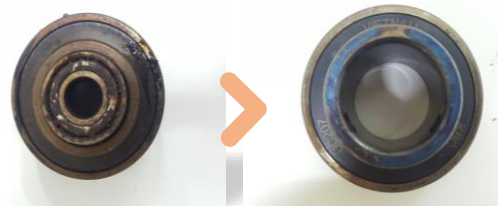
Application cases of LONTRA Mineral Solution



- Compared to existing toxic sodium hydroxide, the cleaning power and effect is compatible. However, the working environment has been significantly improved; the work is easy and simple.
- Overall costs such as cleaning time, water usage, energy usage, and labor costs are reduced. Furthermore safety related accidents are fundamentally prevented.
- Currently, after sodium hydroxide cleaning, there is a need for a one-time cleansing with oil coating operation to remove residual caustic soda.



Dyed fabric desalting test

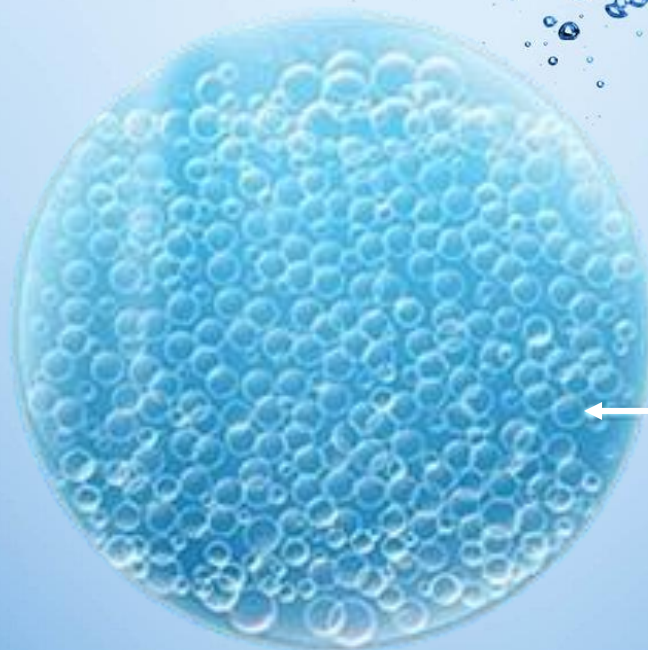


Mechanical piping contamination test

- Testing as a substitute for caustic frenalum to remove dye from dyed fabrics
- Confirmation of contaminant removal and oil removal effect
- Worker opinion: It has similar cleaning power to caustic soda, but it is excellent in safety, preventing accidents and environmental pollution.

LONTRA

NANOBUBBLE GENERATION TECH



← Nanobubbles

Microbubble

64 million nanobubbles fit in 1 microbubble

NANO●SHOWER

The technology of breaking down water into nanoparticles (500 times smaller than skin pores) to deeply penetrate anywhere, delivering moisture and effectively washing away even the smallest residues like fine dust, detergents, and shampoos, leaving no residue behind.

Nano Washing Machine Hose & Nano Dish washer Hose -To be launched within 3 months



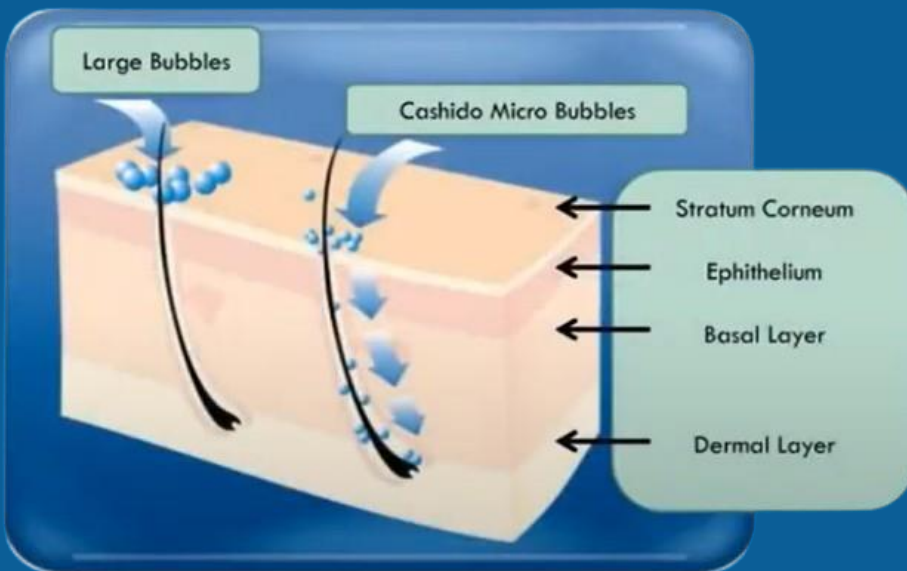
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What are nanobubbles and why are they essential?

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Nano Bubbles hydrogenates bath water 155% more than regular tap water using Micro bubbles a size of 0.2 microns

Normal skin pores are 30 to 50 microns, and nanobubbles 1/500 the size of pores penetrate deep into the skin to remove impurities and transport moisture and oxygen.



Nanobubble

Microbubble

Ultrafine/Fine Bubble

Coarse Bubble

3,000,000 nm

100,000 - 3,000,000 nm

200 - 100,000 nm

<200 nm



The day starts and ends with NANO SHOWER now.

Based on patented technology, NANO SHOWER generates more than 500 million nanobubbles per 1cc of water to create healthy skin by moisturizing the skin, improving scalp health and skin diseases, and removing dead skin cells and waste without using shampoo or body cleanser.



Cleansing pores and scalp

Nanobubbles 1/500 the size of pores remove oil and waste from the scalp and pores without shampooing.



Moisturizing effect

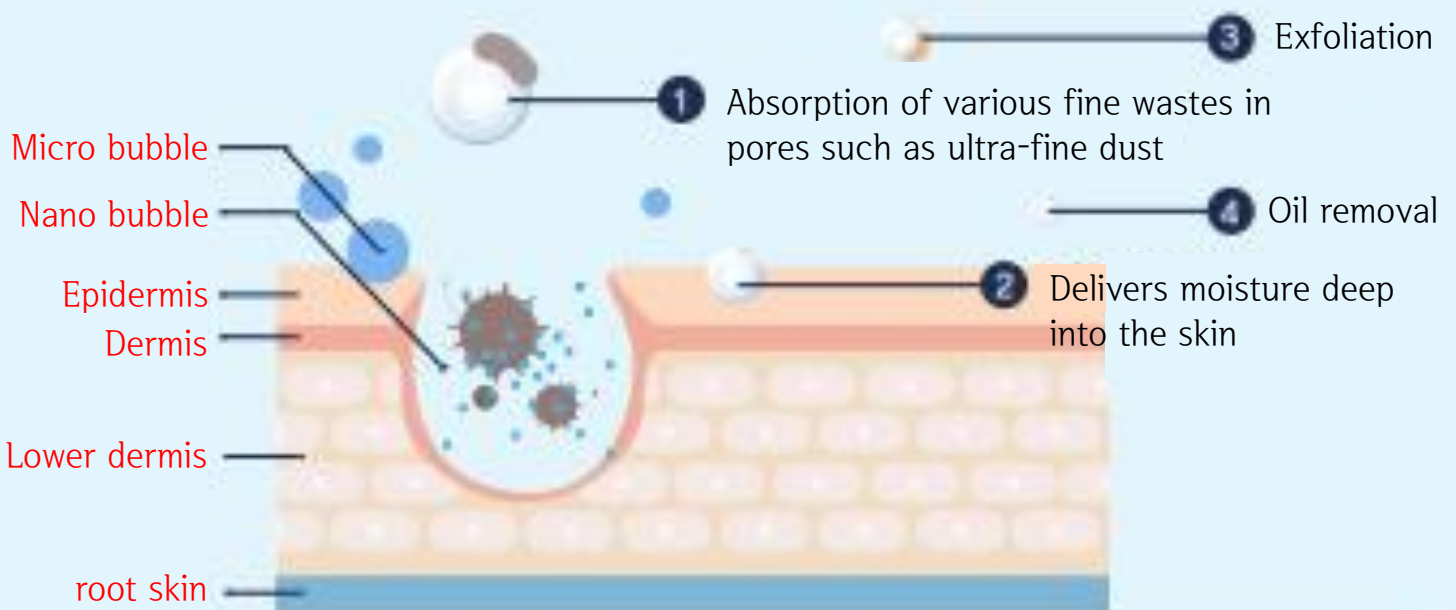
Increases moisturizing effect by delivering fine moisture particles deep into the skin



Removal of ultra-fine dirt

The surface of nanobubbles with a strong negative potential absorbs and removes dust, oil, and fine dust with a positive potential.

Experience the perfect skin care with NANO SHOWER bubbles



hair

50~70um



skin pores

30~50um



micro bubble

10~50um



fine dust

10um 이하



ultrafine dust

2.5um이하



nano bubble

300nm 이하

Born with the world's first patented technology
Healthy and beautiful skin with over 500 million
powerful nanobubbles

- ✓ Dry skin with lots of dead skin cells and rough skin
- ✓ Seborrheic skin that secretes a lot of sebum
- ✓ Sensitive skin that frequently causes skin problems
- ✓ Skin with excessive dandruff or dead skin cells
- ✓ Seborrheic skin that is oily and prone to hair loss
- ✓ Itchy skin due to atopic dermatitis or similar symptoms
- ✓ Skin with a lot of waste in pores due to fine dust and polluted environments



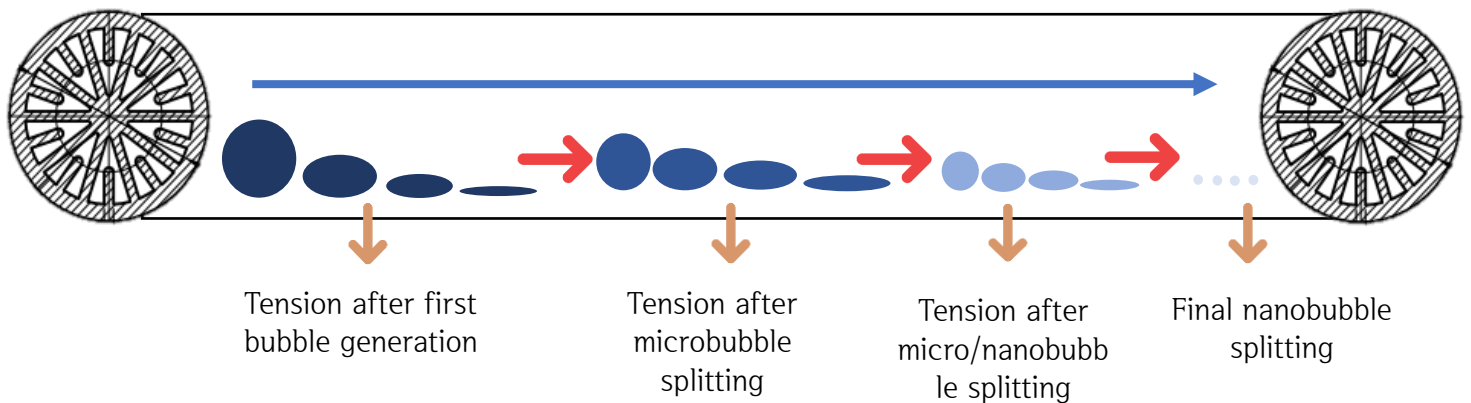
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Patented nanobubble generation core technology using the world’s only surface friction method

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Fluid flow in nanobubble tube

The principle of nanotubes, the core technology for nanobubble generation, is to use surface friction. When the fluid passes through the nanobubble tube, it receives resistance due to friction with the wall, and the velocity gradient generated at this time causes the bubbles in the fluid to gradually split and form nanobubbles.

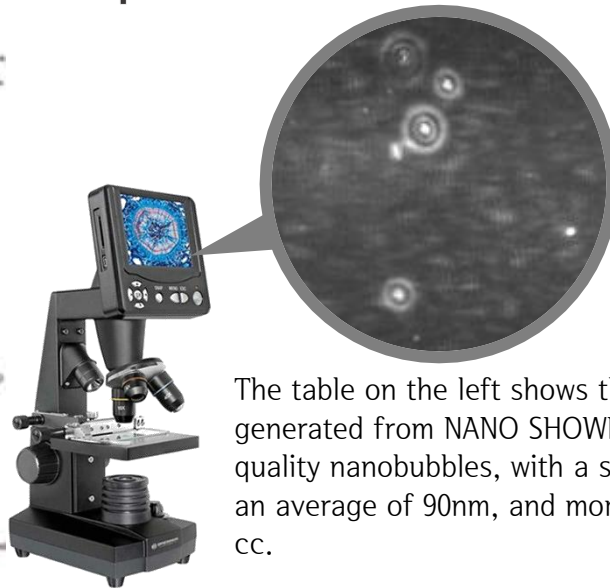
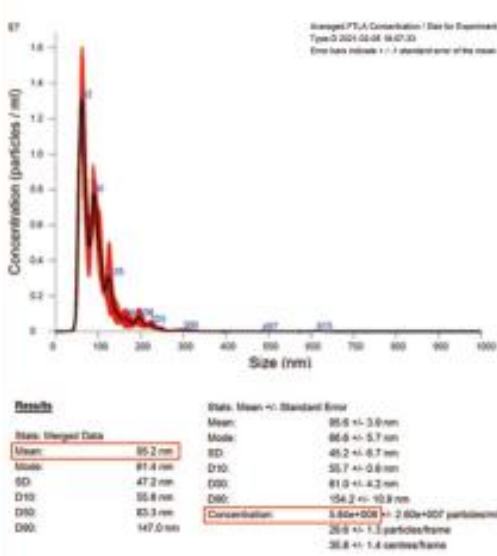


The world's first patented technology discovered in nature

NANO SHOWER is a product created by applying the fundamental principles of nature through long-term research and development with the intention of creating nanobubbles that are beneficial to the world. NANO SHOWER technology is the world's first nanobubble generation original patent and is a proven technology that has been patented domestically and applied for overseas patents in the US, Japan, EU, China, and Taiwan.



Proven technology unique to NANO SHOWER



The table on the left shows that nanobubbles generated from NANO SHOWER products are high quality nanobubbles, with a size of less than 300nm, an average of 90nm, and more than 500 million per cc.

Function of slightly alkaline water

When nanobubbles are generated, the water becomes slightly alkaline without any additional additives due to the large amount of anion vapor.

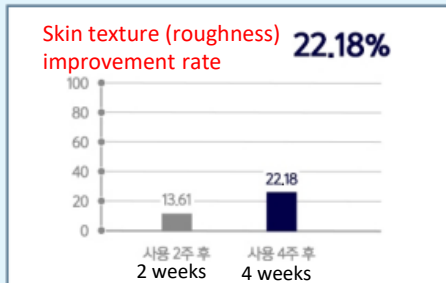
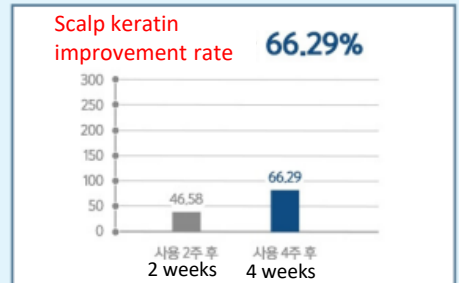
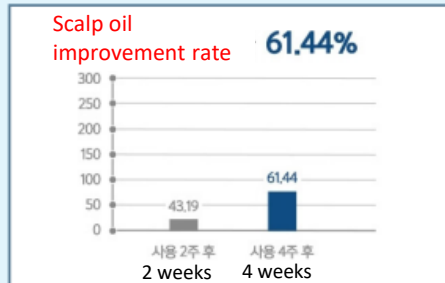
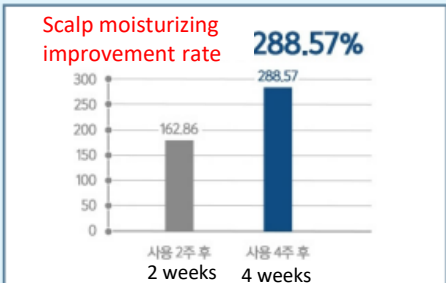
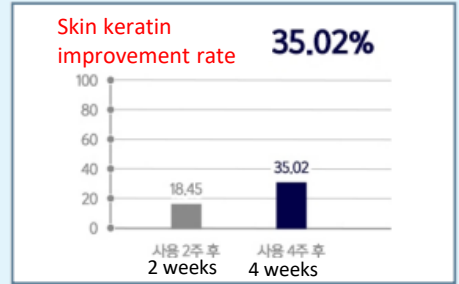
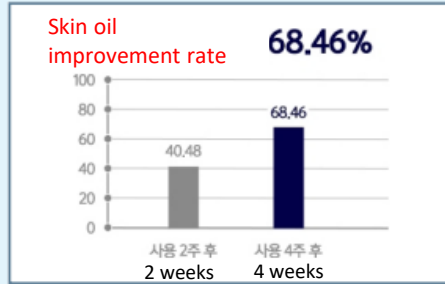
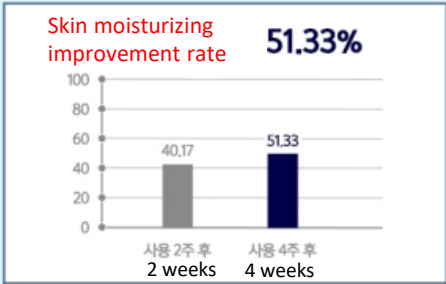


Effects of Slightly Alkaline Water

- improvement of skin
- anti skin aging
- toxin excretion

When measuring pH using a 0.1% bromthymol blue reagent reaction, regular tap water is neutral at pH 7.0 and is light green, and like nanobubbles, it turns dark blue as it becomes more alkaline.


NANO SHOWER has been proven to have skin-improving effects through a 4-week clinical trial by an accredited institution.




NANO SHOWER's unique features

Original Patent Design 


NANO SHOWER is designed to be non-powered by applying the world's first original technology. Also, since it is not a replaceable filter, it can be used for a lifetime.

Unrivaled Technology 

90nm ultra-fine bubbles are generated through NANO SHOWER, and more than 500 million nanobubbles are generated per 1cc, providing excellent cleansing and moisturizing even deep within the skin.

Negative Ion Generation 

NANO SHOWER generates ultra-fine, high-density nanobubbles to produce a large amount of negative ions called vitamins in the air.

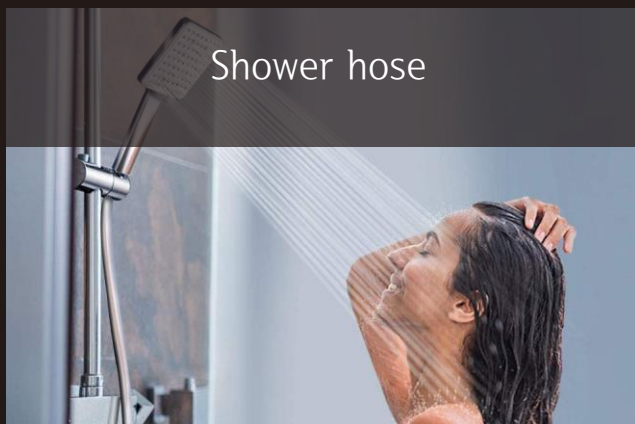
Water Saving 

NANO SHOWER is economical as it improves cleaning power with nanobubbles, saving water and detergent usage by more than 30%.

Nanobubble hose application fields



- Through nanobubble generation technology, it elevates the pH of water to 8.0 or higher, aiding in the separation of contaminants by detergents during the washing process
- It helps to remove residual detergent left on clothes after washing.
- It saves time, water, and energy usage
- It contributes to a more powerful washing effect



- It cleanses pores and the scalp effectively
- Nanobubbles, 1/500th the size of pores, deliver moisturizing benefits to the skin.
- It removes even ultrafine impurities.
- It helps improve dry or oily skin..
- It protects against dead skin cells and roughness
- It helps with dandruff or hair loss on the scalp
- It provides relief for itchy or odorous feet



- It effectively removes residual detergent left from kitchen detergents
- It aids in achieving a more powerful cleaning when using kitchen detergents

LONTRA

Products of Patented Electrolysis Tech

Creating a solution by electrolyzing water to serve as a detergent-like substance for laundry, bathing, and pet care



Pure Pet Bath



Electronic Detergent



Denitpot



R.R.S



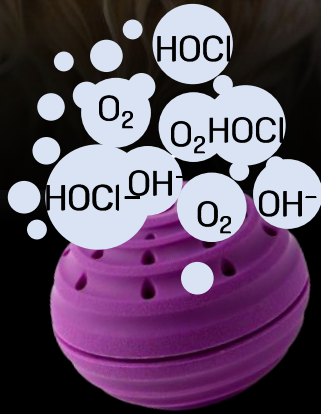


LONTRA

Electrolysis Tech
“Pure Pet Bath”

Dogs have a dermal layer that is five times thinner than humans, and their skin is alkaline with a pH of 8.0. Dogs, being more susceptible to external irritants and bacteria, can rapidly develop symptoms such as itchiness, dandruff, and bacterial issues. Even small chemical ingredients can lead to side effects in such cases.

LONTRA PURE PET BATH



Bath Solution made solely with water

Maintain safe, neutral pH skin with a water pH adjustment function.

Certified for 99.99% sterilizing and deodorizing efficacy

Dryness
Dandruff

Itching

dermal layer is five times
thinner than humans



skin is alkaline with
a pH of 8.0

Fleas
Ticks

Virus
Germs



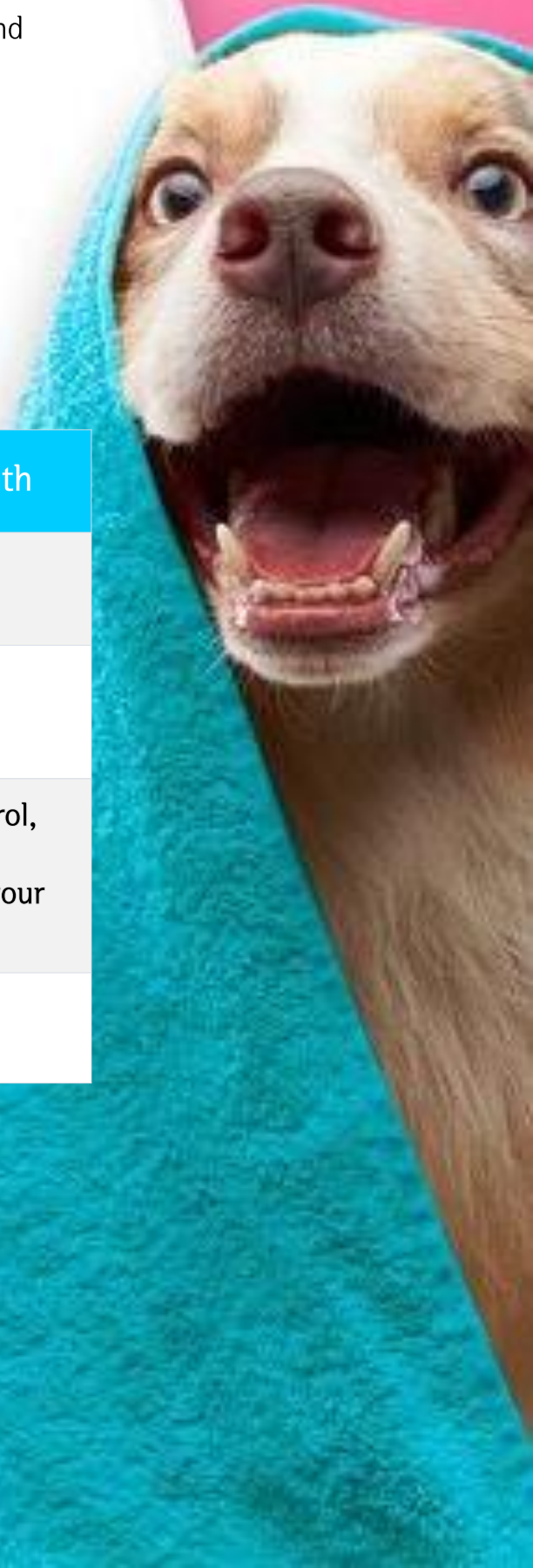
Chemical-based Dog Bath Solution



Various chemical ingredients, including surfactants, can worsen symptoms in dogs

LONTRA PURE PET BATH

It safely adjusts the pH of your dog's skin through bathing, inhibiting the growth of bacteria and eliminating odor. It notably improves Canine Atopic Dermatitis (CAD), which may worsen with the use of conventional dog shampoos, promoting and maintaining healthy skin in dogs.



Pet Shampoo	Lontra Pure Pet Bath
\$1.02 / use	\$0.06 / use
Over 40 chemical ingredients and fragrances	Water (Electrolysis Technology)
Several side effects may manifest during use	Ensures safe pH control, sterilization, and deodorization during your dog's bath
pH6-8	pH7-7.5



Electrolysis Tech “Electronic Detergent Pro”

The leader in the detergent-free market

LONTRA ED PRO

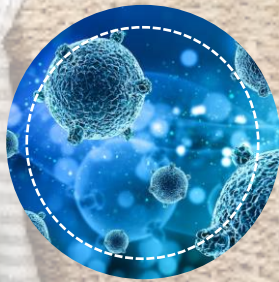
Electrolysis Tech “E-Detergent pro”

A new mate for washing machines that washes and sterilizes clothes using only water

LONTRA ED PRO



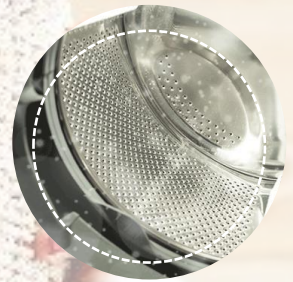
Strong pollutant
dissolving
ability



99.99% laundry
sterilization



Cost-effectiveness
of 1/20th of the price
of detergent

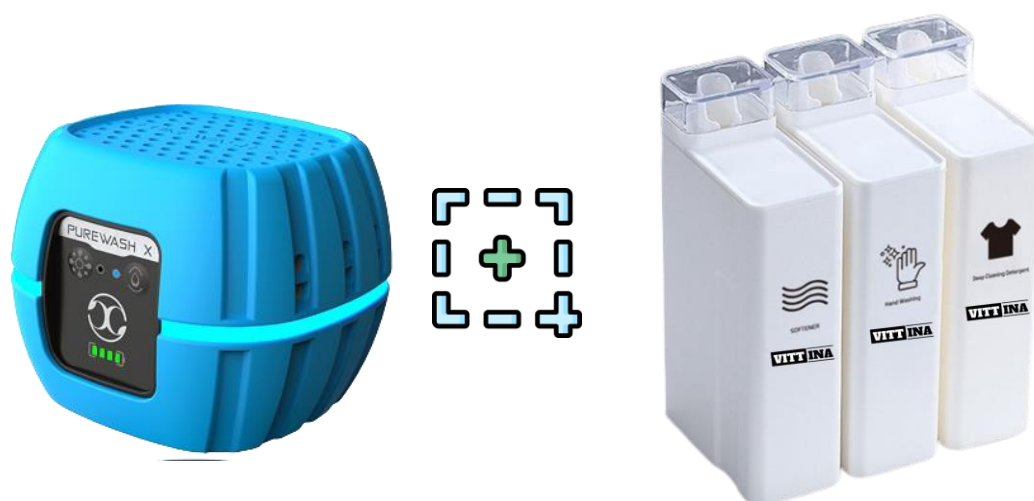


Washing and
sterilizing
washing machine

- Patented technology that generates large amounts of electro-activated water
- Perfect test reports of cleaning power, sterilizing power, and deodorizing power
- Washing mode, sterilizing mode and deodorizing
- Operating time control (depending on load of laundry)
- Using wireless charging technology, can be used more than 6 times per charge
- 1/20th the cost-effectiveness compared to eco-friendly detergents
- Pro and Lite models released together

LONTRA ED PRO

If you add LONTRA ED Mineral Booster when washing with LONTRA ED PRO, the washing ability will be greatly improved.



LONTRA ED MINERAL BOOSTER is made only from drinkable natural ingredients that are harmless to the human body

LONTRA ED Available now

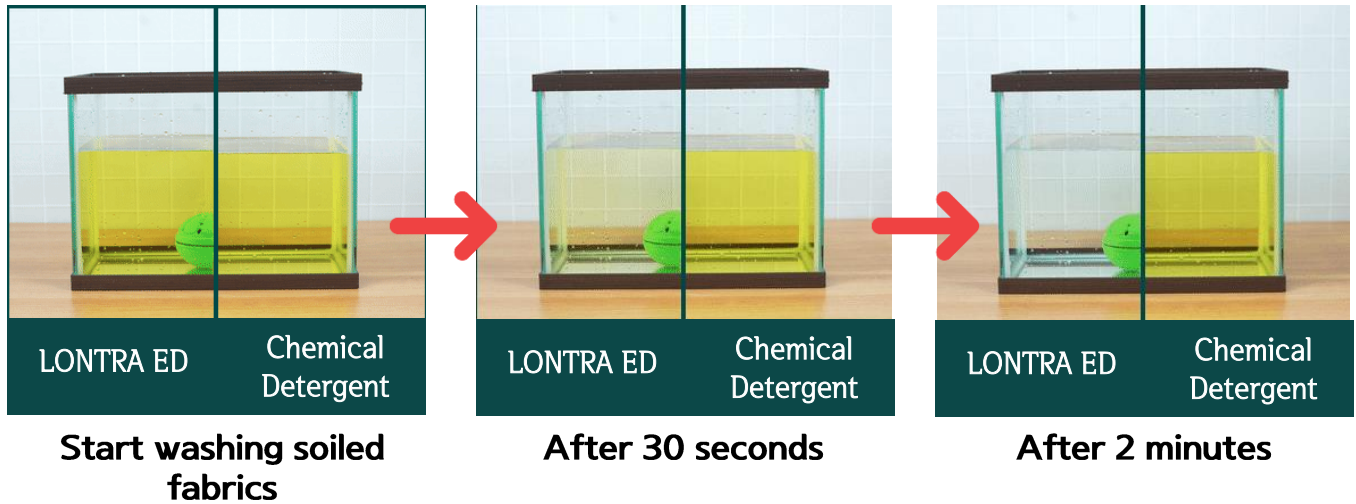
MINERAL BOOSTER



LONTRA ED PRO

Powerful washing power, color removal test

LONTRA ED PRO has been tested for cleaning, sterilization, residual pesticides, etc. through an authorized institution, and the results have been verified.



I put the same pigment in the containers with the regular detergent and LONTRA ED.

After 30 seconds, the pigment in LONTRA ED started to disappear.

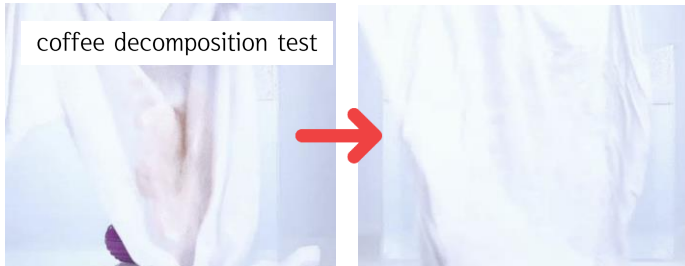
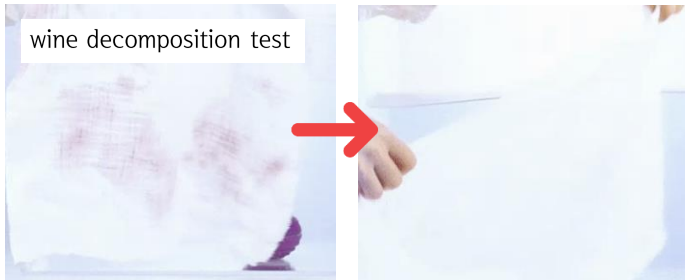
After 2 minutes, it was confirmed that the pigment completely disappeared.

Clothing stain removal test

I tested the washing power by making a stain on a T-shirt with the color and putting it together with LONTRA ED. After 1 minute, the stain was completely gone.

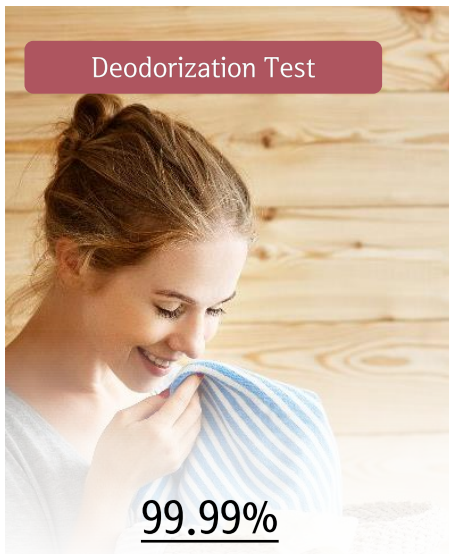


Dissolving of various pollutants occurring in daily life

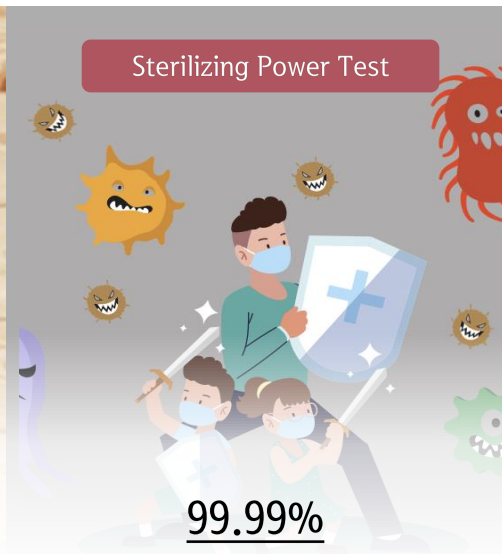


LONTRA ED PRO

Additional functions of sterilization, deodorization, and removal of pesticide residues, and cost-effectiveness at 1/20 the price of eco-friendly detergents



- Testing agency: Korea Apparel Testing & Research Institute
- Test item: Formaldehyde generation
- Result: Deodorizing power 99.99%



- Testing agency: Korea Apparel Testing & Research Institute
- Test items: Escherichia coli, pneumoniae, etc.
- Result: sterilizing power 99.99%



- Testing agency: CTK Co., Ltd.
- Test item: Flubeniamide removal test
- Result: 99.99% removal of pesticide residues

cost-effectiveness at 1/20 the price of eco-friendly detergents

10 times more cost effective when used once a day for 4 years (compared to eco-friendly detergent)

**LONTRA
ED PRO**
USD 0.05/use



VS



Eco-friendly laundry
detergent (Germany Foxxch)
USD 0.55/use

LONTRA ED PRO

- Retail price: USD180
- Number of uses: more than 4,000 times
- Depreciation: USD 0.04 / use
- Electricity fee: USD 0.01

Germany Foxxch

- Retail price: 3liter-USD37
- Number of uses: 50 times-60ml/use
- Cost per use: USD 0.7 (60ml)

LONTRA ED PRO

With “LONTRA ED PRO”, a multi-purpose electronic detergent that does not require detergent, my house is always a clean & safe zone



fitness supplies



underwear



hygiene products



baby products



towels



floor, wall



clothes



fruit&vegetables



pet products



toys



kitchen utensils



infant clothing

Various test results through accredited institutions

LONTRA ED has proven its safety and strong effect through a domestic accredited testing institute.

KATRI 세탁·세정기술연구원 한국표준협회 인증 시험기관 승인

시험성적서

시험 목적: 세정력 테스트
 시험 대상: 세정제
 시험 방법: 세정력 테스트

시험 결과: 99.9%

한국의를시험연구원

KATRI 세탁·세정기술연구원 한국표준협회 인증 시험기관 승인

시험성적서

시험 목적: 피부 자극 테스트
 시험 대상: 세정제
 시험 방법: 피부 자극 테스트

시험 결과: 99.9%

한국의를시험연구원

KATRI 세탁·세정기술연구원 한국표준협회 인증 시험기관 승인

시험성적서

시험 목적: 탈취 테스트
 시험 대상: 세정제
 시험 방법: 탈취 테스트

시험 결과: 99.9%

한국의를시험연구원

KATRI 세탁·세정기술연구원 한국표준협회 인증 시험기관 승인

시험성적서

시험 목적: 세정력 테스트
 시험 대상: 세정제
 시험 방법: 세정력 테스트

시험 결과: 16.5

한국의를시험연구원

CTK Co., Ltd.

시험 성적서 (Test Report)

시험 목적: 살균 테스트
 시험 대상: 세정제
 시험 방법: 살균 테스트

시험 결과: 99.9%

한국의를시험연구원

Sterilization test 99.9%

Highest level of skin irritation safety

Deodorization 99.9%

Washing power comparison test 16.5

Pesticide residue removal test 99.9%

Clean electrolysis technology that provides a clean and safe cleaning method without chemicals

Electrolysis technology that has proven its effectiveness and safety in the industrial field for over 15 years

OH⁻

- washing and bleaching
- removal of pesticide
- residues
- sterilization, deodorization



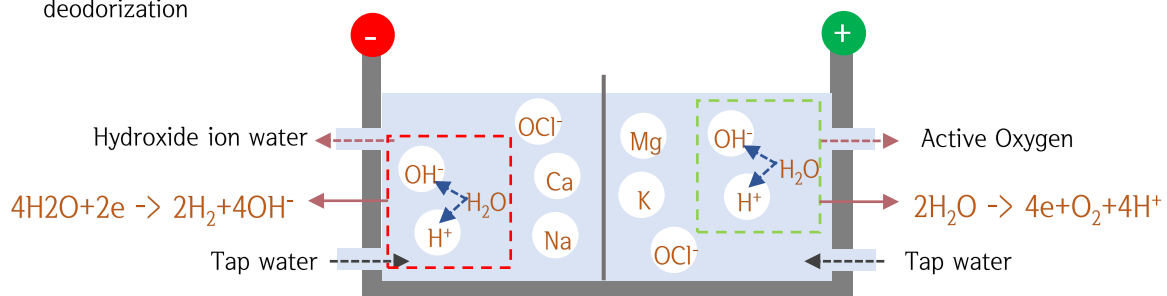
HOCl

- Sterilization, disinfection, deodorization
- bleach



H⁺

- sterilization and deodorization
- removal of active oxygen in the body and inflammation



- Water molecules that accept electrons from the (-) pole undergo a reduction process and are separated into hydrogen molecules and hydroxide ions.
- Water molecules that have lost electrons at the (+) pole undergo an oxidation process and release oxygen molecules and hydrogen ion.
- At this time, the hydroxide ion water and active oxygen, called electro-active water, play a powerful role in cleaning, sterilization, and odor removal.



electro-activated water VS electrolyzed water

What is electronically activated water?

Common name for hydroxide ion water and active oxygen produced after electrolysis using trace amounts of free residual chlorine (OCl⁻) and minerals (Mg, Ca..) in tap water as catalysts.

Limitations of electrolyzed water (HOCl)

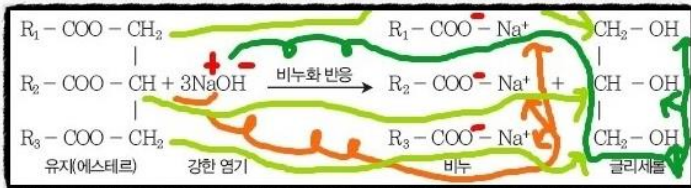
Chlorine (OCl⁻) used as a catalyst meets hydroxide ions generated after electrolysis and is converted into hypochlorous acid (HOCl), called electrolyzed water. However, this electrolyzed water is highly volatile, so it flies into the air before it can do its job, or its concentration falls far short of 100 ppm, which can actually play a role in cleaning and sterilizing, so it cannot play a leading role as cleaning or sterilizing water.

Electro-active water, not electrolyzed water

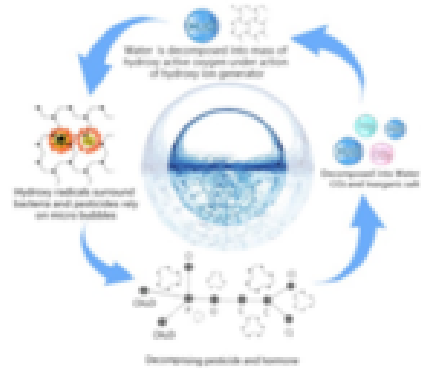
LONTRA ED's electro-active water is a completely different form of electrolyzed water and is the strongest yet safest oxidizing substance on earth.

Similar to the cleaning and sterilizing principle of soap!
 However, electro-activated water acts more powerfully

Cleaning and sterilization principles of detergent and electro-activated water



When the CH₃CH₂CH₂OH- part of the detergent is dissolved in water, it is lipophilic (not friendly to water, but friendly to oil) and bonds well with dirt, while the -COO-H⁺ part is hydrophilic and easily meets water. The lipophilic CH₃CH₂CH₂OH- embraces the dirt, and the hydrophilic -COO-H⁺ draws water between the dirt and the laundry, allowing the dirt to separate from the fabric. OH⁻ in CH₃CH₂CH₂OH- and H⁺ in -COO-H⁺ are ions that have the same form as the electro-active water of PUREWASH X. So, the basic cleaning principles of detergent and electro-active water can be considered the same.



Electro-active water is not limited to simply separating dirt, but breaks the chemical chains of dirt (pollutants) and decomposes and discharges them into water, gas, and inorganic salts, so only clean water remains.

The base part of soap (detergent) dissolves the cell walls of bacteria and has a sterilizing effect, which is more powerful in electro-active water.

Why electro-active water can be more powerful than detergent

Installation of a diaphragm prevents immediate reduction of electrolytic water and maximizes efficiency through the use of electrode plates using electroless plating technology.

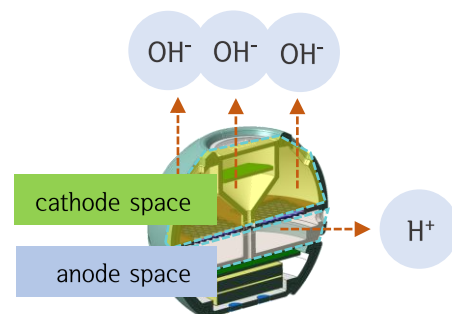
Maximizes cleaning and sterilization ability by generating more hydroxide ions and active oxygen than detergent even without surfactants

Electroless plating technology



Maximization of electrode efficiency (generate large amounts of OH⁻)

Separate production and separate discharge technology



“

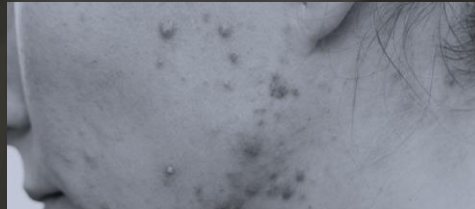
A spoonful of chemical detergent used carelessly?

Will you continue to use chemical detergents that are full of carcinogenic substances and various chemical ingredients such as surfactants, trisodium phosphate, ABS, and bleach?

”



Itai-itai disease, Minamata disease



Causes folliculitis and various skin diseases



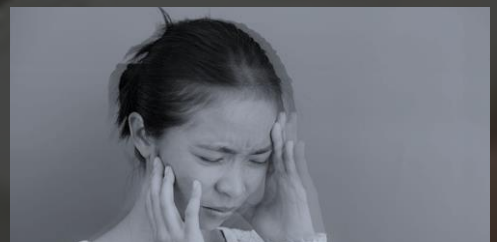
Destroys male sperm & increases birth defects



Induces high blood pressure by increasing cholesterol absorption



Induces eczema & atopy



Causes anemia by destroying red blood cells



Liver Dysfunction & Pneumonia



Headache and Unconsciousness

LONTRA ED PRO



Product Name	LONTRA ED PRO
Seller	Gen21 Co.,Ltd.
Size	10cm * 7.8cm, 275g
Retail Price	PRO: USD 180
Method	Multi-purpose electronic detergent using non-diaphragm electrolysis technology <ul style="list-style-type: none">• Patented technology that generates large amounts of electro-activated water• Perfect test reports of cleaning power, sterilizing power, and deodorizing power• Washing mode, sterilizing mode and deodorizing
Main Characteristics	<ul style="list-style-type: none">• Operating time control (depending on load of laundry)• Using wireless charging technology, can be used more than 6 times per charge• 1/20th the cost-effectiveness compared to eco-friendly detergents• Pro and Lite models released together

LONTRA

Electrolysis Tech

Smile
DentiPot

Natural mouthwash maker that protects the oral health of the whole family

Do not gargle
Do a DENTIPOT, now



DENTIPOT is Available now

“

Is there any mouthwash that
the whole family can safely use?

”

Zero spicy taste that
even children can use
easily

Affordable price for the
whole family

Warm gargle that can
be used even on sore
gums

chemical additives
unused
safe gargle

Mouthwash that is safe
for long-term use



Sterilizes 99.9% of harmful bacteria in the mouth

DentiPot was recognized for its excellent sterilization power in the sterilization test of major harmful bacteria such as Staphylococcus aureus, Candida, and Streptococcus, as well as 99.99% of E. coli sterilization in the mouth.

- ☑ Powerful sterilization and cleaning effect (99.99% sterilization effect proven)
- ☑ Sterilization of harmful bacteria in the mouth
- ☑ Powerful deodorizing effect
- ☑ No problems such as dry mouth even when used several times a day

Pure Gargle, only one ingredient is tap water!

The DentiPot electrolyzes water to create a powerful mouthwash. It does not contain any chemical additives, so anyone in the family can use it with confidence, and it is safe even for long-term use.

The DentiPot is a product whose safety has been proven in the “drinking water test” of an authorized institution.

The mouthwash made by DentiPot starts to be reduced to pure water after about 2 hours.

Smile
DentiPot

That's why DentiPot is essential

Mouthwash has the effect of preventing oral diseases and suppressing bad breath through sterilization, and in particular, the effect of preventing colds has been proven through experiments. Also, gargling is very effective for dental procedures such as tooth extraction, orthodontic treatment, and implants.

Smile
DentiPot

No taste, no fragrance, no additives, no color
DentiPot is a safe natural mouthwash maker using
electrolysis technology.



No problem with sore gums. Warm gargle!

If you need to gargle, but it was difficult to gargle cold due to tooth decay, aging, gum disease, etc., no worries now. Simply add warm water to the DentiPot for 15 seconds to create a warm natural gargle.



The DentiPot uses water electrolysis technology to make warm gargles in 20 seconds.

Too spicy gargle

The case of being caught drinking while driving after gargling is absolutely not an exaggeration. Many gargling products have ingredients such as menthol, peppermint, and methyl salicylate along with alcohol, so they are too spicy. Now, children also gargle with a DentiPot after brushing their teeth to prevent cavities..



No taste No fragrance No additives No color



Gargles are too expensive
but gargle is free for life with
the DentiPot

2-3 times a day, based on a family of 4, \$200-300 will be spent on gargles in a year. DentiPot electrolyzes tap water to make natural gargles at home in 15 seconds and can be used by the whole family, eliminating the cost of gargling for a lifetime.

The DentiPot sterilizes toothbrushes,
dentures, and household hygiene products.

DentiPot sterilizes up to 99.99% of toothbrushes, dentures, and household hygiene products that were difficult to sterilize by using electrolyzed water and ionized hydrogen generated by electrolysis of water.

99.99% Sterilization





Smile
DentiPot

Product Name DENTIPOT

Manufacturing Company Gen21 Co.,Ltd.

Size 8cm * 11cm

Weight 200g

Charging Time About 30 minutes (until fully charged) | Can be used 200 times per charge

Operation Time About 30 seconds (automatically stops after 30 seconds of operation)

Retailed Price USD 96.5 (including VAT)

Main Characteristics

- A natural mouthwash maker that electrolyzes water
- Fragrance-free, colorless, additive-free, tasteless
- Produce natural mouthwash in 15 seconds
- Sanitary items such as toothbrushes and dentures can be sterilized and washed
- Harmless to human body
- Available for the whole family

DENTIPOT has proven its stability and strong effect through a domestically recognized test institute.



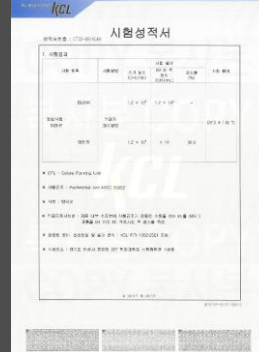
Drinking water test result
(Passed 51 safety items tests)



Sterilization test result
(Streptococcus 91.6% sterilization)



Sterilization test result
(92.8% sterilization of candida)



Sterilization test result
(E. coli 99.9% sterilization)



Sterilization test result
(92.5% sterilization of Staphylococcus aureus)

LONTRA

Electrolysis Tech+IoT

“R.R.S”

“
Restoring Residence System, a future residential system that goes beyond eco-friendliness and restores health and nature
”



1st generation

Simple residential purpose



2nd Generation

Living infrastructure type housing



3rd Generation

Eco-friendly residential environment

4th Generation



R.R.S., a new future housing system that restores life and the environment based on patented electrolysis technology



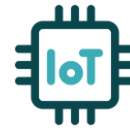
Massive OH- generation technology



Water pH control technology



Optimization technology for e-activated water generation



IoT technology integration



BigData



- Electronic activated water for washing only
- Detergent-free washing at home (zero wastewater)



- Production of natural mouthwash
- Toothbrush and hygiene product sterilization



- Removes germs and odor from shoe cabinet
- Dressing room sterilization and odor removal



- Bathing water with pH concentration of 6.0
- Atopic dermatitis, skin disease improvement effect (maintaining pH of healthy skin)



- Bathing water exclusively for pets
- Inhibits bacterial growth, removes odor



- Toilet sterilization and deodorization
- Natural mouthwash automatic generating device



- Spoon, cutting board, knife sterilization storage kit
- Food odor removal (sterilization)
- Sink drain sterilization



- Place a dedicated space for washing fruits and vegetables in the sink
- Removal of residual pesticides



**SUSTAINABLE TECHNOLOGIES
TO COMPLETELY REPLACE CHEMICAL COMPOUNDS THAT
THREATEN HUMANITY AND ECOSYSTEMS**

GEN21 GROUP

info@gen21group.com

<http://www.gen21group.com> | <http://www.lontrapurelife.com>

