

CLEAN-US⁺ PURICHLO SANITIZER SPRAY



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1. Product Introduction

(1) Low pH hypochlorous acid

(2) PURICHLO

1. Product Introduction (1) Low pH hypochlorous acid

PURICHLO is a multi use safe zone sanitizer that includes only mild **low pH hypochlorous acid** without any additives.

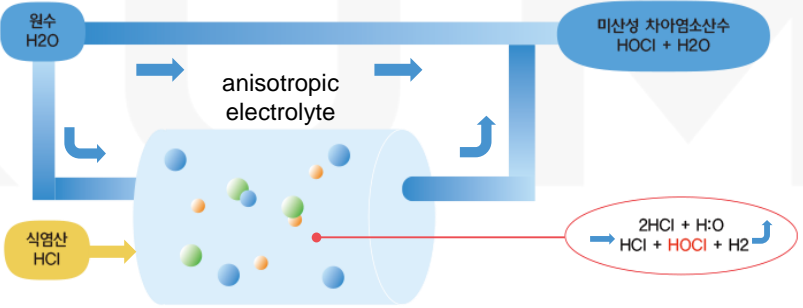
We used natural immunoreactive components instead of strong alcohol ingredients. PURICHLO has been approved and certified by the Ministry of Food and Drug Safety, Ministry of Environment in Korea, FDA and other official organs.



1. Product Introduction (1) Low pH hypochlorous acid

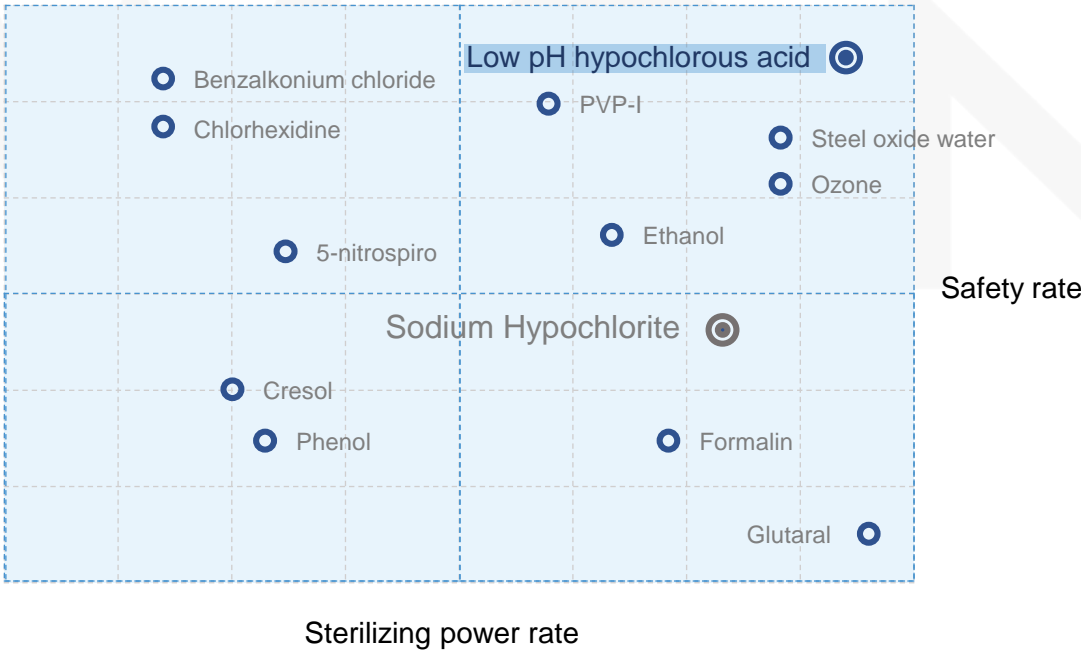
What is low pH hypochlorous acid?

What does hypochlorous acid consist of?



A mixture of water and hydraulic acid used as food additive.
Anisotropic electrolyte undergoes electrolysis and hypochlorous acid is formed.

Sterilizing power and safety



1. Product Introduction (2) PURICHLO

PURICHLO

.... PURIFIED + HYPOCHLOROUS ACID

CLEAN-US PURICHLO does not include any unnecessary additives but **only mild hypochlorous acid**.

PURICHLO increased its safety through **thorough research**.

We have continuously researched to make sure our product is safe to be used.

On the basis of research on **eco-friendly** sanitizers, that has been conducted over a long period of time, we produced this product together with **highly technological and recognized manufacturer**.

Also,

in order to increase sanitizing power, the product does not include harmful chemicals but mild hypochlorous acid that insures product's safety and exceptional sterilization and deodorization properties.

The product remains as water(H₂O) on the surface **without any harmful effects in a very short time**.

It is colorless and scentless, therefore it has **no side effects**, as well as **no discoloration or corrosion** effects.

Can be used **safely** on **any surface**.

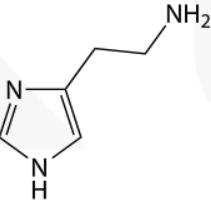
2. Product benefits (1) Mild ingredients

Sterilizing with safety PURICHLO!

Eco-friendly ingredients



When germs penetrate the surface it produces histamine and other protective chemicals.



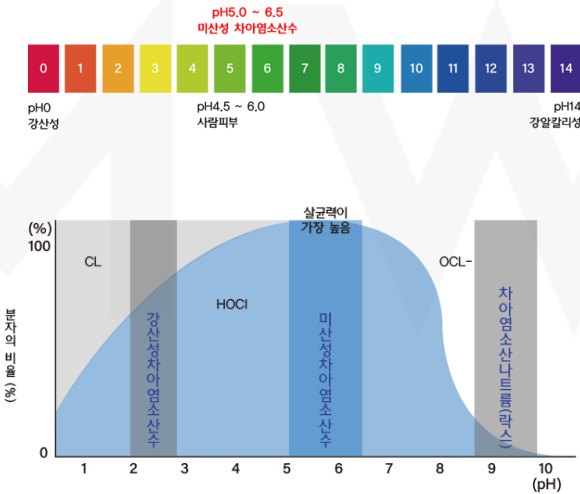
White blood cells react to histamine signals and momentarily produce the neutrophil and move to fight bacteria.



Leukocytes cover pathogens and self-produce strong sterilized hypochlorous acid, destroying pathogens.

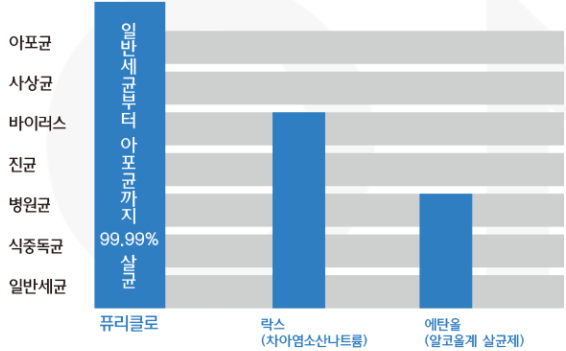
- It is harmless to the human body, as it is the same natural immune component produced in the white blood cells.

Hypoallergenic



- pH that is similar to your skin pH 5.0~ 6.5
- Slightly acid, that is hypoallergenic and has strong sterilizing power

Sterilizing Power and Sterilization Range



- Its Sterilizing power is 80 times stronger than bleach
- Eliminates 99.9 percent of all germs, viruses, and mold
- Has no discoloring or corrosion effects as Bleach

2. Product Benefits (2) Safe zone

Creating my own safe zone

It's not safe just by disinfecting your hands!
Ensure that your everyday surroundings are also safe and sound.

Public places where various of people visits;
Pets and their cages, toys that are **exposed to the viruses**;
Germs that move around together where the vehicle goes ;

Easily spray on frequently used items and space around you to create your own safe zone!



3. Product Line

(1) Protecting pets

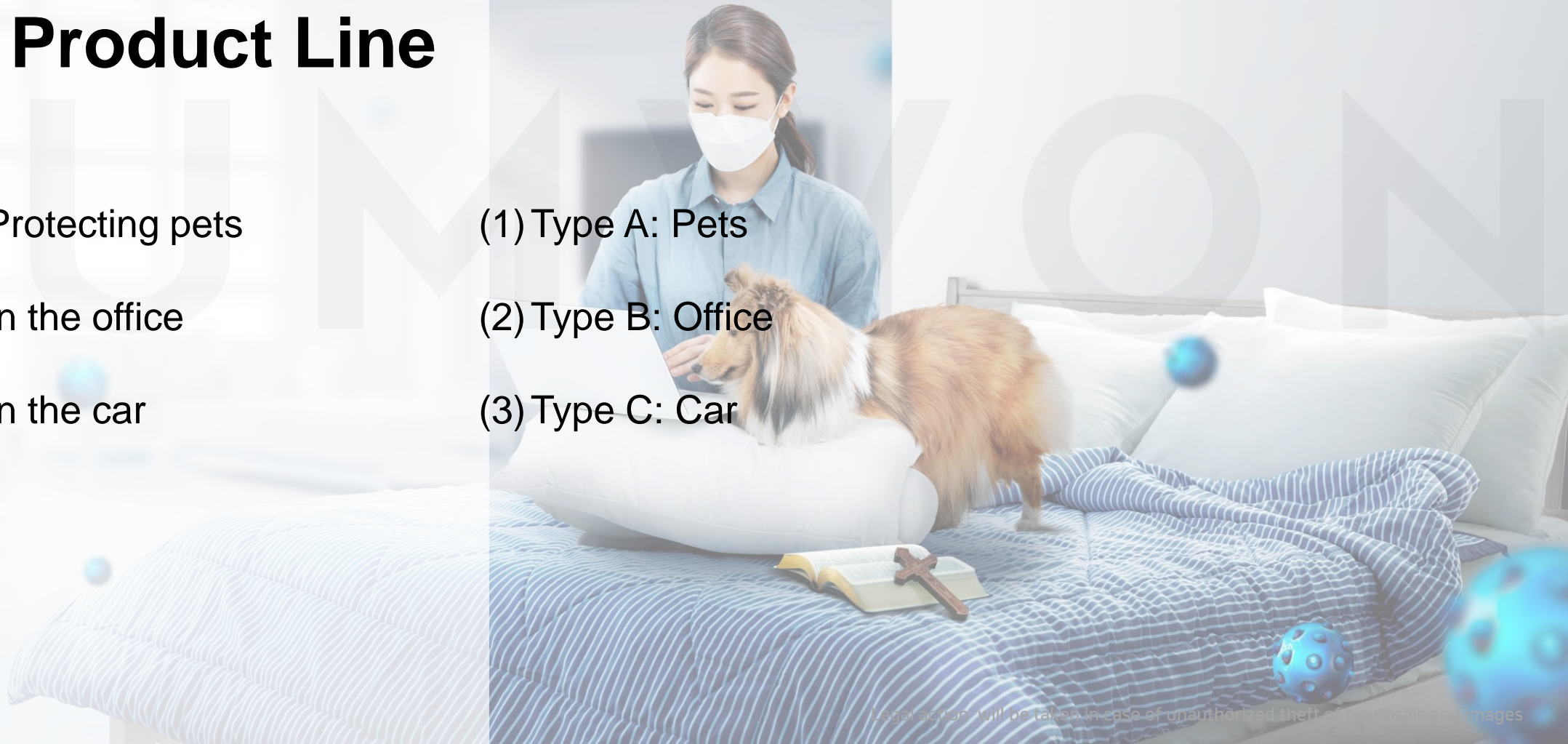
(2) In the office

(3) In the car

(1) Type A: Pets

(2) Type B: Office

(3) Type C: Car



3. Product Line (1) Type A: Pets

CLEAN -US⁺

PURICHLO SPRAY - PET

Let's protect our beloved pets from the virus!

Spray on metal or any plastic surfaces.

No need to worry about discoloration or corrosion!

Also, removes any unpleasant smell due to its deodorizing effect!

Easy care with colorless, odorless, eco-friendly materials that don't leave any overdue.



Importance of disinfecting your pet goods

Pets are vulnerable to viruses but have no way to sanitize

Importance of sanitizing any objects that has been in contact with pets!



Excellent deodorization effect

Best for removing any pet excrement smells!

Disinfects and removes unpleasant smell of your pet's potty-pads at the same time.



Safety

Return to water without leaving any residue!

Kills germs on toys and cushions that your pets like to bite and suck on everyday.

Ingredients that are approved as food additives.

TYPE

Easy-to-use spray type

Small size(60ml) / Grand size(500ml)



Highly durable

No leakage even by flipped over



Micro spray that covers wide area

Cover large areas with micro spray system



360° Spray in any direction

Sprayable by laying down

**Applies to 60ml bottle*



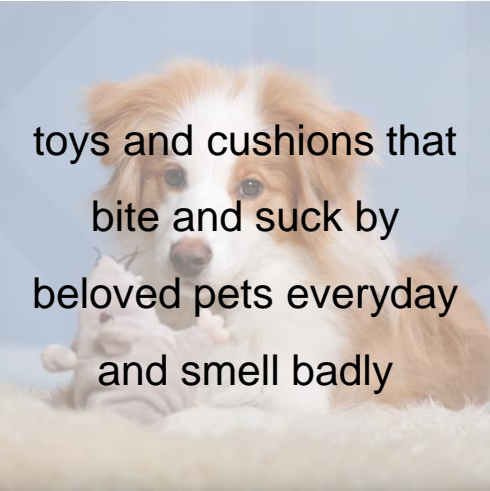
Locking spray

Prevents accidents and protects from unwanted application

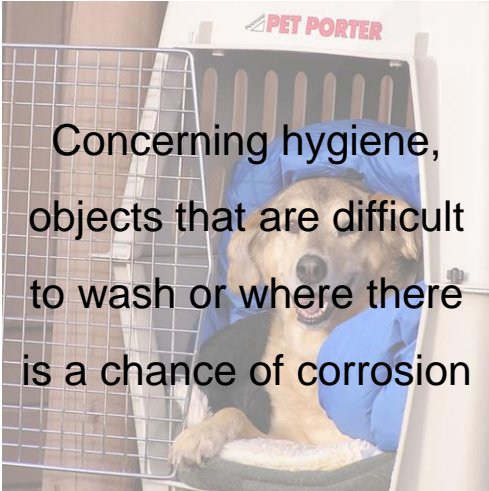
**Applies to 500ml bottle*

3. Product Line (1) Protecting Pets

When to use PURICHLO?



toys and cushions that
bite and suck by
beloved pets everyday
and smell badly



Concerning hygiene,
objects that are difficult
to wash or where there
is a chance of corrosion



Pet cafes or hotels,
where people visit a lot



removing unpleasant
smell of potty-pads

“Due to the increase in pet breeding, the incidents of disease are expected to increase too.
By parasites or pathogenous bacteria that survive on pet feces,
cases of blindness, death and food poisoning incidents are collected all over the world.”

Source: [애완동물 배설물 중 인체 위해 미생물 실태조사 , 소비자 안전센터 위해분석팀 ,2004. 07]

“families with children, patients or elderly people
who have weak immune systems have to be especially careful.
For the disease can be spread by pets.”

Source : [인체에 감염될 수 있는 반려동물 질병, 어떤 것들이 있을까? , 기사(bio) , 2017.10]

Legal action will be taken in case of unauthorized theft of proposals and images

3. Product Line (2) Type B: Office

CLEAN -US⁺

PURICHLO SPRAY - OFFICE

Keeps the office safe where plenty of people visit or stay!

No irritation! We use Slightly acid rather than ethanol that is similar to your skin pH 5.0~ 6.5.

Colorless and odorless eco-friendly ingredients that provide you with easy sanitization and deodorization of interior and objects!

Provides pleasant feeling of use with no stickiness or residue left!



Deodorization and sanitization of your surroundings

In the office, classrooms stuffed with people, where they spend most of their time, the need for sanitizing increased

Improving the quality of the indoor environment by removing harmful substances!



Daily sanitization

Mouse and keyboard inhabits much more germs than the toilet seat!

The quantity of germs in the classroom is more than 3,000 for every 1cm³



Hygiene in public places

Objects/places that are used a lot by multiple people and are considered an infection risk zone are safe with just a few sprays!

Certified for sanitizing telephones, door handles and other objects and public areas

TYPE

Easy-to-use spray type

Small size(60ml) / Grand size(500ml)



Highly durable

No leakage even by flipped over



Micro spray that covers wide area

Cover large areas with micro spray system



360° Spray in any direction

Sprayable by laying down

*Applies to 60ml bottle



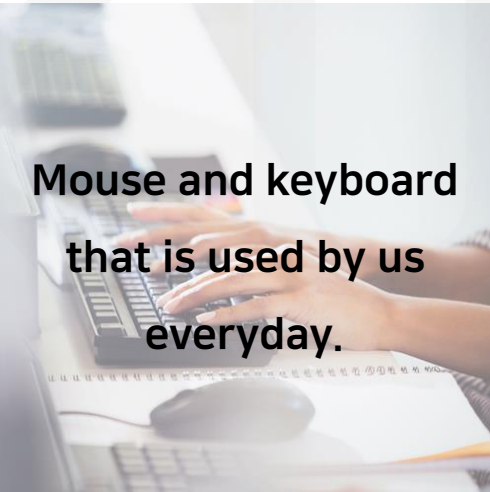
Locking spray

Prevents accidents and protects from unwanted application

*Applies to 500ml bottle

3. Product Line (2) In the office

When to use PURICHLO?



“ The keyboard which is essential in the office had been found to inhabited by much more germs than a toilet seat. As a result of investigating the degree of contamination of the objects that are mainly touched by hand, various contamination indicators detected bacteria and pathogenic bacteria. Regular disinfection is required in those areas. ”
출처 : [‘사무실 키보드’ 화장실 변기시트보다 세균수 많아, 기사(안전신문), 2018.12]

“ Office keyboards, mouse and telephones have the biggest number of inhabiting bacteria inhabiting ”
출처 : [일상생활 속 세균 감염 주의,기사(MD journal/ daily),2020.03]

3. Product Line (3) Type C: Car

CLEAN -US⁺

PURICHLO SPRAY - CAR

Germes move around together where the vehicle goes ;
The more you are staying in an enclosed area
the more vulnerable you are to infections!
Instead of using ethanol that has a discoloring and corrosion effects
we used PURICHLO to insure your safety from germes.
Simple care with colorless, odorless, eco-friendly materials.



Disinfection of the interior

Constant exposure to germes inside a small space in your car while driving
Disinfect door knobs, pillows, sheets etc. which is hard to be cleaned often
With the airborne microbial sterilization test, the sterilization power is confirmed



Leather/metal disinfectant

Due to low pH (5.0~ 6.5) no worries about discoloration or corrosion
Can be use on leather or metal furniture



Disinfection and deodorization at the same time

Has not only disinfecting but also amazing deodorizing effect
(removes cigarette smell)
Make your time in the car more comfortable by removing any unpleasant smells

TYPE

Easy-to-use spray type
Small size(60ml) / Grand size(500ml)



Highly durable

No leakage even by flipped over



Micro spray that covers wide area

Cover large areas with micro spray system



360° Spray in any direction

Sprayable by laying down

*Applies to 60ml bottle



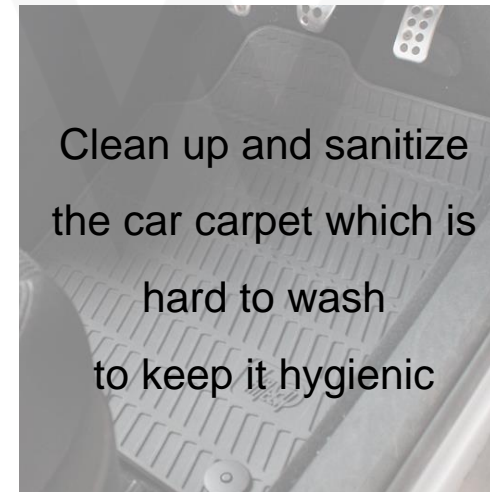
Locking spray

Prevents accidents and protects from unwanted application

*Applies to 500ml bottle

3. Product Line (3) In the car

When to use PURICHLO?



"It is said that contaminated air can **cause a bad smell** and can even **cause severe respiratory issues**."

Source : [How to remove bad smells from your car, (The Asia Business Daily),2015.03]

"KCDC warns, that it is important to keep the inside of the vehicle clean at all times. Especially, to manage the steering wheel and gear lever, that are frequently touched by the driver, to create an environment that is not easily exposed to germs and viruses."

Source : [How to manage to keep inside of the vehicle clean all the times (TF Media),2020.02]

4. Notice

(1) How to use

(2) Certification and tests

(3) Packaging



HOCL products are all the same? **PURICHLO is different!**

OTHER PRODUCTS

Safety is not considered, have only sanitization properties

Packaging is not reliable and is not designed to match the characteristics of the liquid

Sterilizes only one or two harmful bacteria

Has only disinfecting function

Other products
Not tested or certified

Unreliable manufacturer



OUR PRODUCT

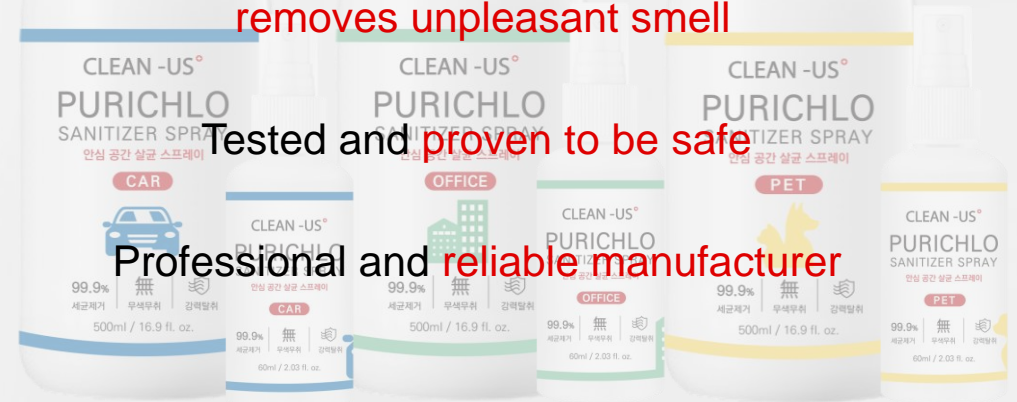
Specialized packaging

Removes 99.99% of harmful bacteria

Not only cleans and disinfects but also
removes unpleasant smell

Tested and proven to be safe

Professional and reliable manufacturer



HOCL products are all the same? **PURICHLO is different!**

1

Removes 99.99% of harmful bacteria

Other products claim high disinfection effects only after undergoing a few tests!

99.99% sterilization test completed for norovirus, pneumococcus, staphylococcus coli and salmonella. Sterilization of various harmful bacteria with **natural human immune components**, and no irritating ethanol.

Creating your own safe zone in 30 seconds by spraying the product onto daily used **objects** and around your everyday **space**.

2

Specialized packaging

Other brands use the cheapest products that don't match the characteristics of the product!

Other brands **focus on sanitization ingredients only** but **do not consider safety!**

Purichlo has practical and perfect container!

Perfect **portable 60 ml container** that protects the liquid from light!

500 ml container 500 ml has 2 functions (partial spray, overall spray) and is lockable!

3

Transparency of research and safety

Other brands are said to be involved in illegally covering the identity of the manufacturer and faking certification documents!

Purichlo has been officially certified and tested by KTR, Korea Advanced Research Institute!

Tested for **eye irritation** and proven safe!

Tested for 17 hazardous substances and none have been detected!

4

Cleans and disinfects and removes unpleasant smell

Removes cigarette smell, sweat smell and food smell!

Purichlo is different from your usual alcohol sanitizer, as it **sensitizes, deodorizes and cleans all at once!**

Does not cause any discoloration and corrosion! Use on all surfaces!

5

Reliable manufacturer

We do not work with unreliable manufactures just to fulfil the demand for sanitizers!

Purichlo was proven to be safe by **Ministry of Environment, FDA** and other official organs.

Approved by **MFDS** to be used as a food additive!

With the help of **long and thorough research** has a lot of patents on technology and is an **eco-friendly product**.

4. Notice (1) How to use

HOW TO USE

STEP 1



Aim at the area that needs to be sanitized and spray for 30 seconds continuously.



STEP 2



Wipe it away with towel or tissue after sanitized.

Do not dilute or combine this solution with any chemical material, use it as it is.

If it is difficult to spray directly, spray on the clean cloth and wipe it off.

4. Notice (2) Certification and tests

PURICHLO safety certifications



Certified by MFDF

Allowed to be used as a food additive.



Certified by Ministry of Environment

Tested for sanitization, deodorization



Tested by FDA

Labeler Name: kumwon International Co., Ltd.
Duns No. 694803493
NDC No.79543-201-01



Certified by Lohas

Proved to be eco-friendly

Tests and reports



Test for sterilization properties

Proven to eliminate 99% of harmful bacteria like pneumococcus, amber staphylococcus, coliforms, salmonella



Norovirus test

Norovirus test by NoroGene Research Center.



Equipment sterilization test

Test of equipment sterilization and evaporation residues



Deodorization certificate

Check for the safety of chemical ingredients by Ministry of Environment



Test for hazardous substances

Kills 17 types of harmful bacteria



Test for eye safety

Proven to be safe for eyes (Animal clinical trial result)

4. Notice (2) Certification and tests

Tests and reports

Deodorization certificate



확인결과

불검출

불검출

불검출

불검출

불검출

불검출

불검출

발행번호: CTC-2019-001138

1. 화학물질 확인결과

연번	확인항목	단위	확인기준	확인결과
1	폼알데하이드	mg/kg	12 이하	불검출
2	메탄올	mg/kg	2 000 이하	불검출
3	아세트알데하이드	mg/kg	70 이하	불검출
4	이산화염소	mg/L	2 이하	불검출
5	3-요오드-2-프로판일 부틸 카바민산(IPBC)	mg/kg	8 이하	불검출
6	글리옥살	mg/kg	30 이하	불검출
7	염산	%(w/w)	0.5 이하	불검출
8	항유금지물질	-	비행유	비행유

* 발행번호: CTC-2019-001138

Test for hazardous substances



Deodorization certificate

시험결과

시험항목	단위	시험구분	결과치
카드름	mg/kg	-	검출안됨
크롬	mg/kg	-	검출안됨
형광증백제	-	-	검출안됨
벤질코놀로라이드	mg/kg	-	검출안됨
페놀	mg/kg	-	검출안됨
벤조익산	mg/kg	-	검출안됨
벤질알코올	mg/kg	-	검출안됨
메틸아세트알데하이드	mg/kg	-	검출안됨
페닐시안화물	mg/kg	-	검출안됨
메틸파라벤	mg/kg	-	검출안됨
프로필파라벤	mg/kg	-	검출안됨
트리클로산	mg/kg	-	검출안됨
소르비산	mg/kg	-	검출안됨
프로필렌글리콜	%	-	검출안됨
납	mg/kg	-	검출안됨
수은	mg/kg	-	검출안됨
비소	mg/kg	-	검출안됨

* 성적서 번호: TAK-029735

Test for eye safety



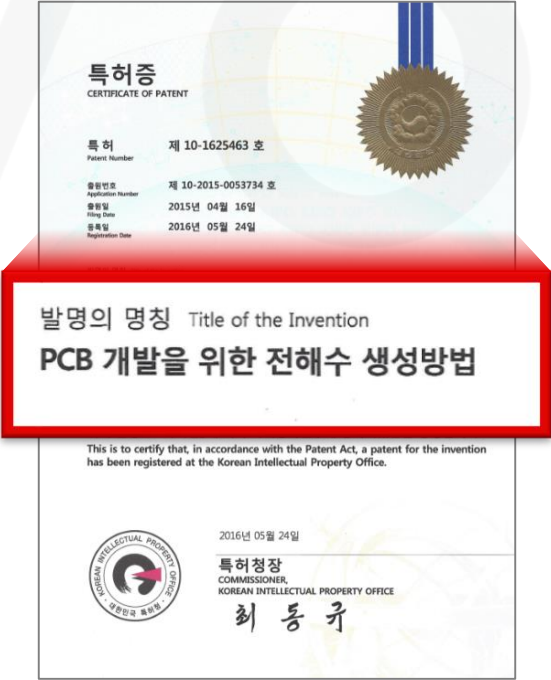
* 성적서 번호: TBT-000016

4. Notice (2) Certification and tests

Reliable manufacturer

PURICHLO is produced in factories that have passed FDA manufacturing facility approvals.

This manufacturer has a number of patented technologies in Korea.



4. Notice (3) Packaging

Counter BOX (RRP)

60ml

In box(12 pcs) → For Display to counter
Out box(72pcs) → Consist of 6 pcs In boxes.



*In box directly can be used on display on the conuter

Custom order

With MOQ bigger than 10,000 pcs,
we can provide customizing label printing.



* Example of customized logo

Thank You

