



Remove the virus!
 High Powered

Repeats adsorption and
 decomposition in response to light.



nakusul

Continuous sterilization and deodorization photocatalyst.

光でナクスル



Effective even in the dark

光触媒

photocatalyst antibacterial

Disinfection &
 Deodorization.

Photocatalysts for environmental purification.

Safe and reliable Nakusul is effective for sterilization and deodorization

A new type of photocatalyst solution that is safe for children to touch and safe even if accidentally sprayed on food! It decomposes and detoxifies pesticides on fruits/vegetables, and also breaks down viruses in the air. Nakusul doesn't obscure odor, but absorbs/decomposes the source of the odor!
 Also continuous action as long as it is remain coated in any surface.

30ml/Mask & etc.
 50ml/Personal surroundings. (Portable)
 100ml/Personal surroundings.
 250ml/Personal surroundings.
 400ml/Personal surroundings & Pets.
 10 l / 20 l / Commercial

Effective even in the dark Airport, Entrance, Factory, Hospital, Restaurant, public facilities and all kinds places including pig farms, poultry farms and etc.

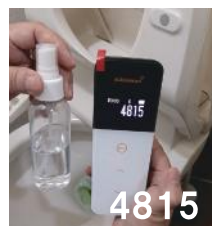
Comparison with
 other companies' products

Measurement before spraying



Measurement of bacteria on the back side of the toilet seat

Alkaline
 reduced water



車内等の除菌に使われていたりします。

Sodium hypochlorite



Baby bottles, sanitary equipment, bandages, etc.
 For disinfection / sterilization (concentration 1.1W/V%)

How to use products for fingers and skin
 It was diluted about 20 times before use.

Alcohol sterilization



58% ethanol (Caution with Fire)
 For kitchen sterilization [Ingredients] ethanol, glycerin, Phytic acid and purified water
 Glycerin fatty acid esters

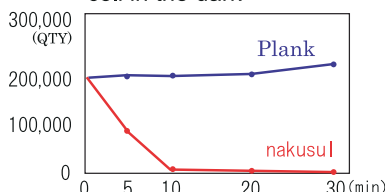
■ nakusul



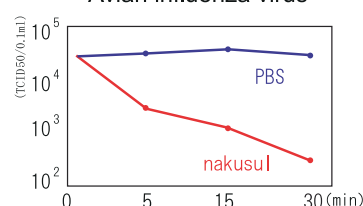
Since the decomposition continues, the number will decrease with time.

Photocatalysts with excellent sterilizing power that react with visible light eliminate Legionella bacteria in water, Enterococci bacteria, Norovirus & etc. Even in dark Nakusul can eliminate E. Coli, Avian influenza virus, MRSA bacteria and Ammonia Concentration!

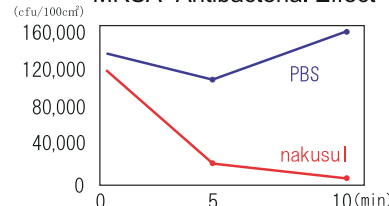
Antibacterial effect on E. coli in the dark



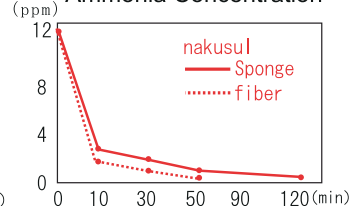
"Avian influenza virus"



"MRSA" Antibacterial Effect



Ammonia Concentration



Component specifications for cleaning agents	Arsenic	Heavy metal	methanol	Liquid	Coloring
Result * 1	Suitable * 2	Suitable * 2	Suitable	Suitable (pH 7.7) * 2	Suitable (not detected)

* 1 Standards for foods, additives, etc. • 5th A, ingredient standards for detergents

Category: Compatible with non-fatty acid detergents,
 test results by Japan Food Research Laboratories



The NANOBEST series has been registered with the US Food and Drug Administration.
 Registration Number : 14401403892

Robust Science & Technology NANOBEST JAPAN Co.,Ltd.

Sterilization and Deodorization nakusul

No additive, no alcohol, no active agent.detergent, no preservatives are used.


nakusul

Continuous sterilization and deodorization photocatalyst.

光でナクスル

"Nakusul" Elimination with light!

Personal surroundings

photocatalyst antibacterial



30mℓ 50mℓ 100mℓ 250mℓ 400mℓ



Commercial 10 ℓ

Commercial 20 ℓ

Product Name: Personal Surroundings Antibacterial Deodorant Spray.

Liquid: neutral / non-alcoholic

Ingredients: Apatite-coated titanium dioxide, Oxidant, Water
(Visible light responsive photocatalyst)

Repeats adsorption and decomposition in response to light.

This label & container might differ in actual product.


nakusul

Continuous sterilization and deodorization photocatalyst.

ハイパーナクスル

Hyper-Nakusul

Breakdown Norovirus!

photocatalyst antibacterial



500mℓ



Commercial 10 ℓ

Commercial 20 ℓ

Product name: Norovirus disinfecting deodorant spray

Liquid: Alkaline non-alcohol

Ingredients: Apatite-coated titanium dioxide, Oxidant, Water (Visible light responsive photocatalyst)

This label & container might differ in actual product.

Comparison with other companies' products

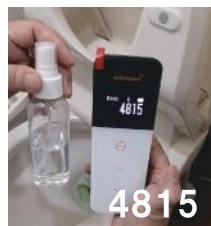


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Alkaline reduced water



Sodium hypochlorite



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For disinfection / sterilization
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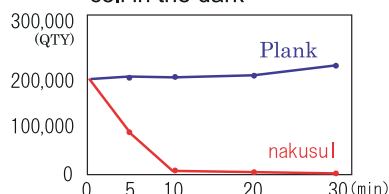
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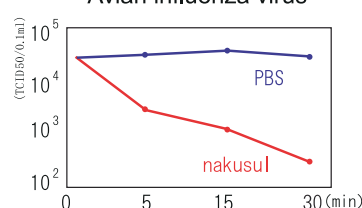
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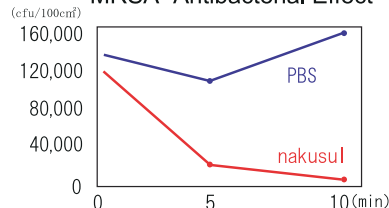
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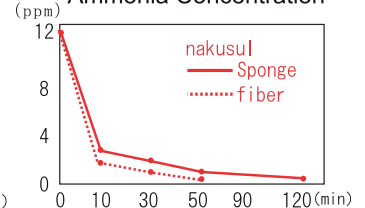
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"MRSA" Antibacterial Effect



Ammonia Concentration



Test virus	Target	log TCID ₅₀ /ml		
		start	30 minutes later	6 hours later
Feline calicivirus ※2	Specimen	8.0	<4.5	<4.5
	object substance	8.0	7.7	7.3

[Norovirus inactivation test]

<4.5 (Not detected)

※2 : Norovirus alternative virus

It is widely used as a surrogate virus for Norovirus, which cannot be cultivated in cells.

test results by Japan Food Research Laboratories