

The World's First  
Food Grade Halal Ethanol Sanitizer



Halal Certified  
by JAKIM

**TAKEX CLEAN**  
**TAKEX CLEAN**  
EXTRA

High Quality Ethanol Formulation  
Approved By Professionals

## Demonstrable effects on variety of bacteria removal

### 5 FEATURES

1 **WIDE RANGE OF  
ANTIBACTERIAL  
EFFECT**

2 **EFFECTIVE EVEN  
IN WET OR  
DAMP PLACES**

3 **SAFE AND  
HUMAN  
FRIENDLY**

4 **HIGH  
DEODORIZING  
PERFORMANCE**

5 **HIGH  
DURABILITY**

**Takex**  
CLEAN

40-50 w/w(%) Ethanol

**NORMAL TYPE**

**Takex**  
CLEAN  
EXTRA

70-80 w/w(%) Ethanol

**SPECIAL TYPE**

Owing to the power of bamboo and ethanol,  
**TAKEX CLEAN & TAKEX CLEAN EXTRA**  
can make up for the weakness of existing ethanol formulation

### HUMAN - FRIENDLY, EXCELLENT SAFETY PERFORMANCE

While it is effective on viruses, it is safe for the human body. Owing to the use of natural plant based ingredients of food additives only, including Moso Bamboo extract, our products are safe for the elderly and children.



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[takex-co.com](http://takex-co.com)





# Where to use **TAKEX CLEAN**

## FOOD GRADE AND HUMAN FRIENDLY

You can use it on cutting boards, kitchen knives and dishes as it is also effective on wet and damp places. Besides, you can use it on handrails and door knobs of entrances to prevent secondary infection as it has high durability.

## WHERE TO USE IN THE RESTAURANTS :

### DINING HALL

### KITCHEN



To kill bacteria on tables and odor on chairs



To kill bacteria on counters



To kill bacteria on door knobs and handrails



To kill bacteria and odor on toilets



To kill bacteria on cash registers



To kill bacteria on sinks



To kill bacteria on cooking tools



To kill bacteria on refrigerators



To kill bacteria on drinks server / drinks dispenser



To kill bacteria and odor on garbage

## WHERE TO USE IN THE FOOD FACTORIES :



To kill bacteria on cooking tools



To kill bacteria on sinks



To kill bacteria on kitchen knives and cooking tools



To kill bacteria on food processing machines



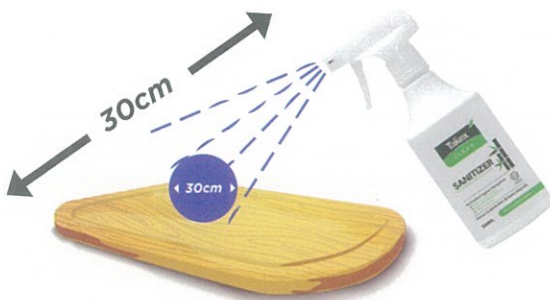
To kill bacteria and odor inside the refrigerators and handrails



To kill bacteria on trays



To kill bacteria on meat choppers



Ethanol formulation works when in contact with bacteria and virus.

**Guideline of use:**  
Spray twice to the diameter of 30cm.



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# Takex product lineup

The Moso Bamboo extract, active ingredients made from bamboo, contains the anti-bacterial, deodorizing, and anti-oxidizing effects held by bamboos, and these effects are long lasting as well. We develop safe and reliable products with this natural extract.

Safely keeps vegetables fresh!

## Takex Fresh



Antibacterial  
×  
longer foods freshness

- Great effectiveness for longer foods freshness by suppressing bacteria breeding!
- Preventing oxidized browning and keep good looking on foods!
- Reduce waste loss by keeping freshness! Better profitability by less waste loss!
- Moso bamboo Essence mixed. Relief and safety as all the component are food additive!

When Takex Fresh Detergent is used



When not treated



Using sodium hypochlorite



Discoloring

Can be used for all kinds of salad vegetables

◆Effectiveness against to sweet potato◆

	Right after	1 days later	2 days later	3 days later	6 days later
Contrast	$1.0 \times 10^3$	$1.5 \times 10^3$	$7.4 \times 10^3$	$2.6 \times 10^2$	$>10^7$
5% TAKEX FRESH	$6.0 \times 10^2$	$3.9 \times 10^2$	$5.5 \times 10^2$	$1.0 \times 10^4$	$6.4 \times 10^3$



Keeps food fresh longer!

## Takex Keep



A safe food additive combining Moso Bamboo extract and trehalose - the ideal sugar. It keeps food fresh longer without affecting flavor.



- Safely keeps food fresh longer!
- Improves flavor and moisture retention!
- Improves freezing resistance and inhibits starch aging!
- Can be heated!
- Inhibits yeast fermentation, inhibits yeast and heat-resistant spore forming bacteria!

Test result against to heat resistant bacterial spores.

	start	24h later	48h later
TAKEX KEEP 0.5% dilution	25	10	14
Not add TAKEX KEEP	25	$1.6 \times 10^3$	$8.5 \times 10^5$

Test fungi : Bacillus subtilis(spore) storage temperature : 20°C

Test result against to yeast.

	start	24h later
TAKEX KEEP 3.0% dilution	$1.6 \times 10^4$	<10
Not add TAKEX KEEP	$1.6 \times 10^4$	$1.2 \times 10^4$

Test fungi : S.cerevisiae(yeast) storage temperature : 20°C  
<10 : Not detected

Rice



Noodles



Side dish



Western confectionery



Japanese confectionery



Fish paste products







Outstanding effect on maintaining strawberry freshness!

# Berry Very



Berry Very which protect strawberries from mold and damage will support your confectionery making.

- Keeps freshness longer without affecting flavor!
- Prevents discoloring of strawberries and inhibits mold!
- Prevents drying of strawberries and maintains luster!

## Bacteria elimination performance

Staphylococcus aureus (cfu/ml)

Test liquid	When started	30sec. later	1 min. later
Berry Very	$3.6 \times 10^5$	<10	<10
normal saline	$3.6 \times 10^6$	—	$4.4 \times 10^6$

Escherichia coli (cfu/ml)

Test liquid	When started	30sec. later	1 min. later
Berry Very	$2.6 \times 10^5$	<10	<10
normal saline	$2.6 \times 10^6$	—	$2.2 \times 10^6$

## Comparison Freshness

◆ When strawberry freshness agent is used



◆ Untreated



High quality alcohol formulation approved by professionals!

# Takex Clean Biz



Takex Clean Biz can cope with a wide range of bacteria and viruses to guarantee safe and reliable food. Supports clean food production.



- Wide range of antibacterial activity
- Effective even at watering place
- High durability
- High safety level brings you human friendly
- High deodorant performance

Spray directly onto food and places where you put your hands on to eliminate bacteria.

## Antibacterial effect continues for a long time.



The liquid is less volatile due to the low percentage of alcohol, allowing the ingredients to reach all corners to fully bring out their effects. Active ingredients in Mousouchiku extract create a film over the surface for a long lasting antibacterial effect.

## Effective even at watering place.



We cannot expect any effectiveness if it is diluted with water on standard alcohol preparations, but Takex-Clean Biz.

## Distributor

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To alleviate the burden on global environment

Reliable, safe, healthy

To effectively utilize the potential of bamboos

To make products from the perspective of mothers