

CHITOSAN 8

Japanese Technology Protect Your Home And Family.

WHERE TO USE?

Applicable for every living space, specially recommends to:

- Rooms required formaldehyde removal.
- High requirements for anti-microorganisms: hospital, food plants, restaurants.
- Deodorizing and anti-ammonia demanding, pet shops and houses with pets.
- Public places where people gathers.
- Basement humidity control
- Creative highlighted buildings.

WHAT IS CHITOSAN ?

Chitin, one of the main exoskeleton component of crustaceans, has β - (1,4) structure of *N*-Acetyl-D-Glucosamine. Compared with a similar polysaccharide "cellulose", it's industrial application is considerably behind. Also called, the last unused biomass.

Chitosan is able to be obtained by deacetylation of Chitin. Chitosan has a clear advantage over chitin because it is soluble in the acidic slution.



WHAT IS THE 8 ?

1. Outstanding anti-fungal property.
2. Antibacterial property.
3. Antiviral property.
4. Deodorant property.
Ammonia, Methyl mercaptan, Hydrogen sulfide, etc..
5. Anti Sick-House syndrome.
6. Great creativity. - selective toning possible.
7. Excellent workability.
8. Moisture conditioning.



CHITOSAN 8

CREATE A SAFE LIVING SPACE WITH CHITOSAN.

WHAT'S SPECIAL?

"Chitosan 8" using natural material possesses unique characteristics not only antibacterial, antiviral, humidistat and formaldehyde adsorption but also heavy-duty mildew proof and ammonia adsorption that are weak points of conventional decorative paints.

Anti-fungal Property Test

- Test Method: JIS Z 2911: 2010
- Number of strains > 5: fungus resistance 0

Aspergillus niger NBRC 105649

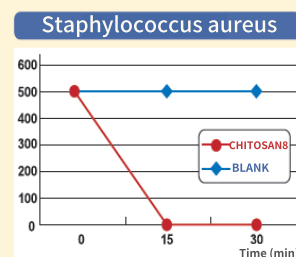
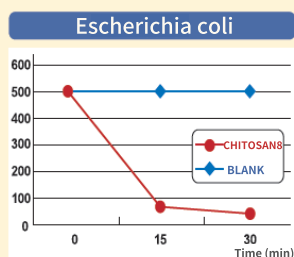
Penicillium pinophilum NBRC 33285

Paecilomyces vriotii NBRC 33284

Trichoderma virens NBRC 6355

Chaetomium globosum NBRC 6347

Antibacterial Activity



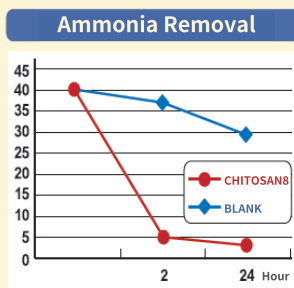
Anti Virus Activity

Anti Avian Influenza Virus Test

Sample	Viral Infectivity (log ₁₀ EID ₅₀ /mL)	Decrease rate of infectivity titer (%)
CHITOSAN 8	-0.5	99.9999
Blank (Glass plate)	5.5	-

*Tested by Tottori University.

Deodorant Property

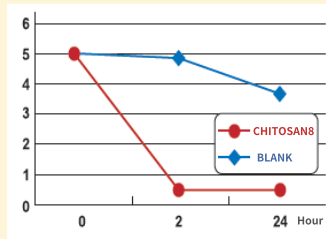


Deodorization 3 Stench

- Ammonia
- Methyl mercaptan
- Hydrogen sulfide

Formaldehyde Removal Property

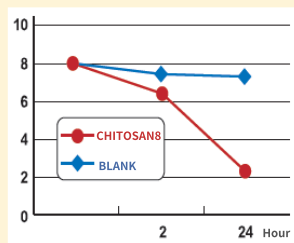
Formaldehyde Removal Test



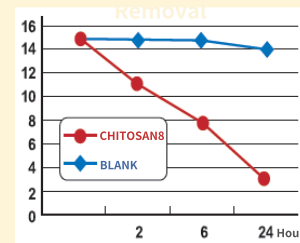
Formaldehyde is a colorless, flammable gas which often used building materials and insulation.

Exposure to formaldehyde may cause irritation of the skin, eyes, nose, and throat. High levels of exposure may cause some types of cancers.

Methyl mercaptan Removal



Hydrogen sulfide Removal



JIS A6909:2003 Coating Material Test & ISO5660 Part1 Reaction To Fire Test Qualified Product.



PACKING:
1kg / 3kg / 15kg Bale.

COLOR:
White / Pale Yellow / Pale lavender / Pale Grey /
Ivory / Greenish Pink / Greenish Grey