

BACTOSTAT®

Bacteria Repellent MMBS

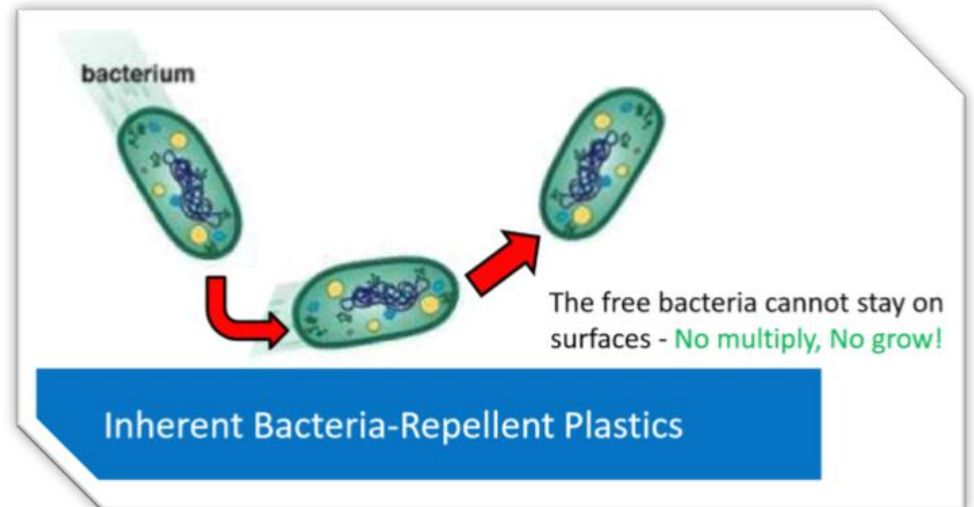


BACTOSTAT[®] Bacteria Repellent MMBS

**NEW
PRODUCT**



BACTOSTAT[®] MMBS is a high tough and transparent polymer with build-in food-contact-safe and eco-friendly ingredients, leveraging bacteria repellent and self-hygienic characteristic and provides fungi repellent function.



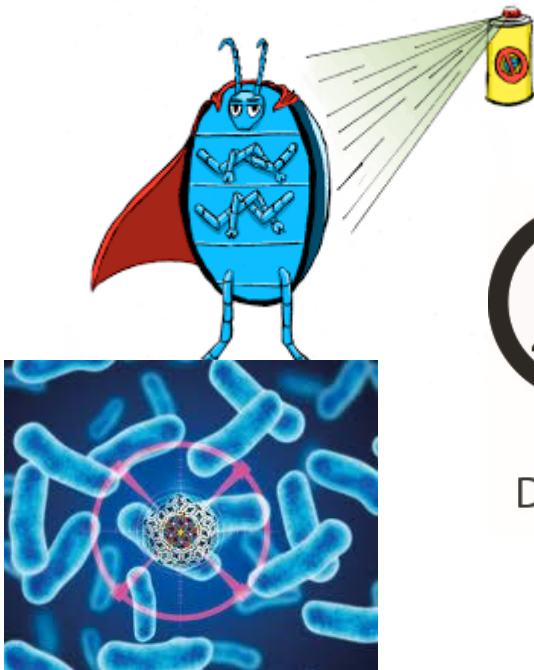
BACTOSTAT[®] Bacteria Repellent MMBS

BACTOSTAT[®] MMBS contains No Biocide , No Nanoparticles with advantages in Metals-free, Non-leaching, Recyclable.



BACTOSTAT[®] Bacteria Repellent MMBS

BACTOSTAT[®] MMBS has long lasting bacteria repellent performance. No Superbugs.



Durable



Exclusive
Design



Recyclable



Easy to Use

BACTOSTAT[®] Bacteria Repellent MMBS

SGS 超微量工業安全實驗室
Ultra Trace Industrial Safety Hygiene

For Question Please Contact with SGS
www.sgs.com.tw

Test Report
REPORT NO.: PUB20B00320

VICTAMAX LLC
Rockville Innovation Centre, 155 Gibbs Street, #556, Rockville, MD 2

The following sample(s) was/were submitted and identified by/on beh:

Sample Name : "BACTOSTAT" MMBS RESIN
Applicant : DRAGONCHEM LIMITED
Address of Applicant : ROOM 03, 9/F, TRUST CENTR KOWLOON, HONG KONG (852) 23190918 / Derick Yip
Tel No./Contact Person :
Packaging Condition : Please refer to the photo for sar
Quantity : 25 pieces
Storage Condition : Room temperature
Lot No. : SB-1643
Lot/Batch No. : 20200820
Manufacturer/Agent/Importer : THE HONGKONG POLYMER S
Date of Manufacturing : Aug 2020
Date of Expiry : 24 months
Date of Sample Received : 2020/11/25
Date of Testing : 2020/11/25 - 2020/12/21

Test Requested: Plastic Sample Germ-repellent t
Test Method : With reference to ISO22196:20 and other non-porous surfaces.
Test Results : -Please refer to next page(s)-

Shin-Jyh Chen
Shin-Jyh Chen, Senior Engineer
Signed for SGS Taiwan

SGS TAIWAN LTD.
No.38, Wu Chyuan 7th Rd., New Taipei Industrial Park, Wu Ku District, 台灣檢驗科技股份有限公司
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Test Method :
1. *S. aureus* or *E. coli* will be subculture twice with NB from frozen
2. Dilute this inoculum with 1/500 NB so that the number of *S. aureus*, about 6 x 10⁶ cells/mL for *E. coli*.
3. Place each test piece (a square of 50 mm ± 2 mm) in a sterilized
4. Take exactly 0.4 mL of the test inoculum, and instill it onto each t
5. Cover the instilled test inoculum with a film (a square of 40 mm ± inoculum spreads over the film, and place the lid of the petri dish
6. Incubate the petri dish containing the test piece inoculated with th and 3 test pieces) at a temperature of 35 ± 1 °C and a relative hu
7. After incubating, the cover film of the test sample is removed and tweezers and tilt it at an angle of -90 degree to allow the inoculur petri dish. Gently tap the edge of the test sample against the petri the surface. The petri dish containing the excess inoculum is disc sterile petri dish.
8. With the tweezers, soak each test sample into 100 mL normal sa sample and tilt it at an angle of -90 degree to slide any the inocul test sample against the petri dish. Repeat the above steps for 8 plates from
9. Repeat the 8 soaking procedure, and then use saline twice to free the inoculum from the test article. (usually soaking for rinse three times in 100 mL saline solution.)
10. The test article is ready for sampling by the swab meth
11. The surface of test article is swabbed with a wet (with 0.1 mL saline) swab.
12. Each swab is extracted with sonication for 10 minutes in 10 mL hand, and then perform 10 fold serial dilutions.
13. The extract or dilution is filtered through 0.45µm membrane and
14. All the NA plates will be incubated at 30-35°C and enumerated ;
15. The germ-repellent rate will calculate as

Germ repellent rate (%) = $\frac{\text{mean CFU/device of control article}}{\text{mean CFU/device}}$

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Test Report
REPORT NO.: PUB20B00320 Date: 2020/12/21 Page : 3 of 4

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Rockville Innovation Centre, 155 Gibbs Street, #556, Rockville, MD 20850 USA

Test Results :

Organism	Original Inoculum (CFU/device)	Contact time	Counts of the control at contact time (CFU/device)	Counts of the sample at contact time (CFU/device)	Germ-repellent rate (%)
<i>Escherichia coli</i>	3.1 × 10 ⁷	24 hours	6.1 × 10 ⁴	7.2 × 10 ³	88.1
<i>Staphylococcus aureus subsp. aureus</i>	4.0 × 10 ⁸	24 hours	8.3 × 10 ⁷	1.3 × 10 ²	98.5

NOTE :
1. The test report merely reflects the test results of the consigned matters of the client and is not a certification of the legitimacy of the related products.
2. All items in this testing report is based on the request from client and we are responsible for that.
3. The content of this report is invalid if it is not presented as the entire report.
4. Organism No.:
Escherichia coli BCRC 11634 ; ATCC 8739.
Staphylococcus aureus subsp. aureus BCRC 10451 ; ATCC 6538P.
- END -

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Date: 2020/12/21 Page : 4 of 4

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PUB20B00320

Bacteria Repellent Rate at 98.50% under ISO22196 repellent test on S. Aureus

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BACTOSTAT is a trademark of VICTAMAX LLC



BACTOSTAT® Bacteria Repellent MMBS

Potential Application : **Water Tank of Humidifier**

Benefits with BACTOSTAT® bacteria-repellent-solution

- Reduce Risk of Germ Growth
- Anti-mildew
- High Impact Strength
- Good Transparency
- Good Chemical Resistance
- Health-Eco-Friendly
- Nanoparticles Free
- Metals Free



BACTOSTAT® Bacteria Repellent MMBS

Potential Application :

Toilet Paper Plastic Dispenser

Benefits with BACTOSTAT® bacteria-repellent-solution

- Reduce cost and usage of commercial cleaner
- Reduce risk of commercial cleaner contact
- Reduce cost of cleaning manpower
- Reduce risk of cross-infection
- Bacteria Repellent
- Fungi Repellent
- Health-Eco-Friendly
- Nanoparticles free



BACTOSTAT[®] Bacteria Repellent MMBS

Potential Application : Water Tank of Carpet Cleaner

Benefits with BACTOSTAT[®] bacteria-repellent-solution

- Bacteria Repellent
- Anti-mildew
- High Impact Strength
- Good Transparency
- Good Chemical Resistance
- Health-Eco-Friendly
- Nanoparticles Free
- Metals Free



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BACTOSTAT®

Innovative, Safe, Eco-Friendly, Durable
Antibacterial Solution
Your Clear Alternative !



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