



Test Report

Report No: ASH18-006523-02

Issue Date: Mar 23 2018

Client name: Jinan Hengsheng New Building Materials Co.,Ltd
Client address: Room601,Tower D,Binhe business Center,Tianqiao District,Jinan City
Sample name: PVC Profile
Sample Batch No.: /
Product Date: /
Manufacturer: Shandong Hengsheng Protection Products Co.,Ltd
Specification:Handrail、 Wall Protector、 Corner Guard、 Tactile Tile、
Sample other information: Stair Nosing、 Shower Seat Buyer:Jinan Hengsheng New Building Materials Co.,Ltd

Above information and sample(s) was/were submitted and certified by the client, SGS quoted the information with no responsibility as to the accuracy, adequacy and/or completeness.

SGS Sample No.: ASH18-006523.001
SGS reference No.: QDIN1802000885SC
Date of sample received: Feb 09 2018
Testing period: Feb 09 2018 ~ Mar 23 2018

TEST(S) REQUESTED:

Selected test(s) as requested by applicant:
Antimicrobial activity test

TEST METHOD(S):

Please refer to the next page(s)

TEST RESULT(S):

Please refer to the next page(s)

English shall prevail in this report.

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TEST METHOD(S):

ASTM G 21-15 Standard Practice for Determining Resistance of Synthetic Polymeric Materials to Fungi

TEST ORGANISM(S):

Aspergillus brasiliensis^A ATCC 9642, *Penicillium funiculosum*^B ATCC 11797, *Aureobasidium pullulans* ATCC 15233, *Chaetomium globosum* ATCC 6205, *Trichoderma virens*^C ATCC 9645

TEST RESULT(S):

Test Fungi	Concentration of spores (spores /mL)	Rating observed growth on specimens (after 28 days)
<i>Aspergillus brasiliensis</i> ^A ATCC 9642	1.0x10 ⁶	0 Grade*
<i>Penicillium funiculosum</i> ^B ATCC 11797		
<i>Aureobasidium pullulans</i> ATCC 15233		
<i>Chaetomium globosum</i> ATCC 6205		
<i>Trichoderma virens</i> ^C ATCC 9645		

Note: According to ASTM G 21-15 Standard Practice for Determining Resistance of Synthetic Polymeric Materials to Fungi, observed fungi growth rating on the specimens include:

- 0 –None
- 1 –Traces of growth (less than 10%)
- 2 –Light growth (10 to 30%)
- 3 –Medium growth (30 to 60%)
- 4 –Heavy growth (60% to complete coverage)

Remark: History name of test organism

^AHistorically known as *A.niger*.

^BHistorically known as *P.pinophilum*.

^CHistorically known as *Gliocladium virens*.

* The microscope(50 X) was used to confirm the observation.

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SAMPLE DESCRIPTION: sample in bag



*** End ***

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