

Test Report

Report No: ASH17-024697-02

Date: Jun 29 2017

Client name: TitanPE Technologies, Inc.
 Client address: BD11, NO.415, GULANG ROAD, SHANGHAI
 Sample name: Coating Suisse AGSOL5000
 Sample Batch No.: R0613
 Product Date: /
 Manufacturer: TitanPE Technologies, Inc.

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.: ASH17-024697.001
 Date of sample received: Jun 13 2017
 Testing period: Jun 13 2017 ~ Jun 29 2017

TEST(S) REQUESTED:
 Selected test(s) as requested by applicant:
 Antifungal activity test

TEST METHOD(S)/TEST RESULT(S):
 Please refer to the next page(s)

CONCLUSION(S):

Test Fungal (Strain number)	Antifungal activity value A	Criterion of antifungal efficacy
<i>Aspergillus niger</i> ATCC 6275	>4.7	Fungistatic with full effect

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SGS Authorized Signature

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TEST METHOD(S):

ISO 13629-2:2014 Textiles-Determination of antifungal activity of textile products-Part 2: Plate count method

TEST ORGANISM(S):

Aspergillus niger ATCC 6275

TEST RESULT(S):

Test Fungal (Strain number)	<i>Aspergillus niger</i> ATCC 6275
Concentration of spore suspension	2.3x10 ⁵
The growth value on the control fabric (F=lgC _t -lgC ₀)	+1.5 (lgC _t + 6.1 , lgC ₀ +4.6)
The growth value on the antifungal-treated samples (G=lgT _t -lgT ₀)	< -3.2 (lgT _t <+ 1.3 , lgT ₀ : <+ 4.5)
The antifungal activity value (A=F-G)	>4.7
Inoculation method	Absorption method
Sterilization method	Autoclave(121°C , 20min)

Remark:

Control fabric:100% cotton fabric without fluorescent brighteners or other finish ,provided by SGS lab.

C_t is the arithmetic average of the number of fungi obtained from three test samples of control fabric after (48±2)h incubation

C₀ is the arithmetic average of the number of fungi obtained from three test samples of control fabric immediately after inoculation.

T_t is the arithmetic average of the number of fungi obtained from three antifungal-treated test samples after (48±2)h incubation

T₀ is the arithmetic average number of the number of fungi obtained from three antifungal-treated test samples immediately after inoculation.

F: is the growth value on the control fabric

G: is the growth value on the antifungal-treated samples

A: is the antifungal activity value

Example of efficacy of antifungal property

Item	A value	Explanation
Criterion of antifungal efficacy by antifungal activity value A in Formula	A<1	No effect
	2>A>1	Fungistatic with small effect
	3>A>2	Fungistatic with medium effect
	A>3	Fungistatic with full effect
	Tt=0	Fungicidal effect

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Testing Center Agency of China Inspection Laboratory

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SAMPLE DESCRIPTION: sample in bag



*** End ***

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Testing Center Agri. and Food Laboratory

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