



Test Report

No: SHFDO100912172FD1

Date: Sep 21 2010

Client name: TitanPE Technologies, Inc.
Client address: BD 7, No.198, Changhe Road, Shanghai, PRC

The following sample(s) was/were submitted by/ on behalf of the client as:

Sample name: Photocatalytic Textile
Batch No.: A1663
Manufacturer: TitanPE Technologies, Inc.
SGS Reference No.: GZFD0100903654FD.2
SGS Job no.: SHFDO100912172FD
Date of receipt: Sep 01 2010
Testing period: Sep 10 2010 ~ Sep 21 2010

TEST(S) REQUESTED:

Selected test(s) as requested by applicant:
Antibacterial Assessment for the submitted sample

TEST METHOD:

JIS L 1902:2008 The Method of antibacterial test and assessment of antibacterial effectiveness for textiles ,
Chapter 10: Quantitative test (Absorption method)

TEST ORGANISMS:

Methicillin Resistant Staphylococcus aureus ATCC 33591

CONCLUSION:

Pass: The Log value of bacteriostatic for *Methicillin Resistant Staphylococcus aureus* is > 2.7, complies with JIS L 1902:2008 Specification for antibacterial finish (The bacteriostatic activity value shall be ≥ 2.0 for antibacterial finish) .

Signed for and on behalf of SGS

.....*Amy Gan*.....
Authorized Signature

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TEST RESULT(S):

Name of test bacteria (Strain number)	<i>Methicillin Resistant Staphylococcus aureus</i> (ATCC 33591)
Concentration of inoculum (CFU/mL)	1.1×10^5
The growth value on the control sample F ($F=M_b-M_a$)	+ 2.1 (M_b :+ 6.4 , M_a :+ 4.3)
The growth value on the antimicrobial-treated sample ($M_c- M_d$)	- 0.6 (M_c :+ 3.4 , M_d :+ 4.0)
Bacteriostatic activity value $S= (M_b-M_a)- (M_c-M_d)$	2.7
Bactericidal activity value $L= M_a-M_c$	0.9
Incubation time (h)	18
Measuring method	Plate count method

REMARK:

M_a : The average of log value of bacteria obtained from the three control sample that inoculated the test germ after 0h.

M_b : The average of log value of bacteria obtained from the three control sample that inoculated the test germ after 18h.

M_c : The average of log value of bacteria obtained from the three antibacterial finishes that inoculated the test germ after 18h.

M_d : The average of log value of bacteria obtained from the three antibacterial finishes that inoculated the test germ after 0h

The control sample is standard cotton cloth specified by JISL 1902:2008, provided by SGS lab.

SAMPLE DESCRIPTION: White cloth



*** End of Report***