



Test Report

No: SHFDO120810413FD

Date: Sep 18 2012

Client name: Titanpe Technologies, Inc
Client address: 1 Floor BD.7, ChangHe Road No.198.

The following sample(s) was/were submitted by/ on behalf of the client as (except SGS reference No. & SGS job No. & Date of receipt & Testing period):

Sample name: Sample
Batch No./Date: /
Manufacturer: /
SGS job No.: SHFDO120810413FD
Date of receipt: Aug 02 2012
Testing period: Aug 02 2012 ~ Sep 18 2012

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 RESULT(S):

Please refer to next page

CONCLUSION:

Pass: The Log value of bacteriostatic for * Legionella pneumophila is > 5.2, comply with JIS L 1902:2008 Specification for antibacterial finish (The bacteriostatic activity value shall be ≥ 2.0 for antibacterial finish).

*According to client's requirement, judge with reference to JIS L 1902:2008

Signature of the authorized representative on behalf of SGS



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Date: Sep 18 2012

TEST ORGANISMS:

Legionella pneumophila ATCC33152

TEST RESULT(S):

Name of test bacteria (Strain number)	<i>Legionella pneumophila</i> (ATCC33152)
Concentration of inoculum (CFU/mL)	2.3×10^5
The growth value on the control sample F ($F = M_b - M_a$)	+2.1 ($M_b: +6.5, M_a: +4.4$)
The growth value on the antimicrobial-treated sample ($M_c - M_d$)	< -3.1 ($M_c: < +1.3, M_d: +4.4$)
Bacteriostatic activity value $S = (M_b - M_a) - (M_c - M_d)$	> 5.2
Bactericidal activity value $L = M_a - M_c$	> 3.1
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

CFU: Colony forming unit

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

SAMPLE DESCRIPTION: White cloth



*** End of Report***

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