

Test Report

Report No: ASH19-000911-02

Issue Date: Jan 16 2019

Client name: TitanPE Technologies, Inc.
Client address: BD11, NO.415, GULANG ROAD, SHANGHAI, 200331
Sample name: AG420
Sample Batch No.: 08S43S-ET
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.: ASH19-000911.001
Date of sample received: Jan 07 2019
Testing period: Jan 07 2019 ~ Jan 15 2019

TEST(S) REQUESTED:

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

TEST METHOD(S):

Please refer to the next page(s)

TEST RESULT(S):

Please refer to the next page(s)

This Test Report supersedes the Test Report No. ASH19-000911-01 dated Jan 16 2019 issued by SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. Original test report will be invalid from today.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested, and for clients internal use only, not to the society has the proof function. This document cannot be used for publicity, without prior written approval of the SGS.



SGS Authorized Signature

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Page 1 of 3



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CONCLUSION(S):

Name of test bacteria (Strain number)	Antibacterial value:A	Efficacy of antibacterial property	Comment
<i>Alpha Hemolytic Streptococcus (CMCC 32213)</i>	>6.2	Antibacterial value $2 \leq A < 3$, the efficacy of antibacterial property of the test fabric can be considered significant; Antibacterial activity $A \geq 3$, the efficacy of antibacterial property of the test fabric can be considered strong	Pass, the efficacy of antibacterial property of the test fabric can be considered strong

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Page 2 of 3



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TEST METHOD:

ISO 20743:2013 Textiles-Determination of antibacterial activity of textile products: 8.1 Absorption method

TEST ORGANISMS:

CMCC (B) 32213

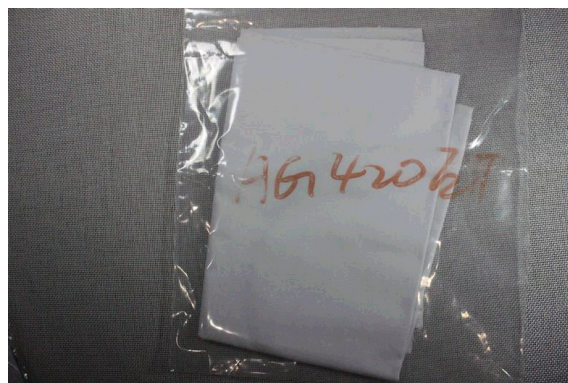
TEST RESULT(S):

Name of test bacteria (Strain number)	<i>Alpha Hemolytic Streptococcus</i> (CMCC 32213)	
Concentration of inoculum (CFU/mL)	1.2x10 ⁵	
Difference of extremes for the three control specimens(Ig) (condition: less than 1)	0h	24h
	<0.1	<0.1
Difference of extremes for the three antibacterial testing specimens(Ig) (condition: less than 2)	0h	24h
	<0.1	<0.1
The growth value on the control sample F (F=lgC _t -lgC ₀)	+3.2 (lgC _t : +7.5 , lgC ₀ :+4.3)	
The growth value on the antimicrobial-treated sample G (G =lgT _t -lgT ₀)*	< -3.0 (lgT _t :<+ 1.3 , lgT ₀ : +4.3)	
Antibacterial activity value (A=F-G)	>6.2	
Measuring method	Plate count method	
Sterilization method	Autoclave	
Incubation time	24h	

REMARK: The control sample is 100% cotton fabric, provided by SGS lab.

* In case of C₀> T₀, substitute C₀ for T₀.

SAMPLE DESCRIPTION:



*** End ***

SGS-CSTC Standards Technical Services (Shanghai) Co.,Ltd.
Page 3 of 3



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