

Test Report

Report No: ASH19-004942-01

Date: Feb 15 2019

Client name: TitanPE Technologies, Inc.
Client address: BD11, NO.415, GULANG ROAD, SHANGHAI
Sample name: AG425K
Sample Batch No.: 08S43S-ET
Product Date: /
Manufacturer: /

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 reference No.: ASH19-004942.001
Date of sample received: 25 Jan 2019
Testing period: 25 Jan 2019 ~ 15 Feb 2019
Test Requested: Selected test(s) as requested by applicant
Test Method: Please refer to the next page(s)
Test Result(s): Please refer to the next page(s)

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SGS Authorized Signature

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Testing Center Agency (Shanghai) Free Laboratory

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Sample Description:

Specimen No.	SGS Sample ID	Description
1	ASH19-004942.001	sample in bag

Test Item: The test of the antiviral efficacy

Test Method: ISO 18184:2014 Textiles-Determination of antiviral activity of textile products
Infective titre measurement: Plaque assay.

Test Virus: Influenza A virus (H1N1): ATCC VR-1469

TEST RESULT(S):

Test sample		The common logarithm average of infectivity titre value		The antiviral activity value lg(Vb) - lg(Vc)
Untreated control sample	Immediately after inoculation	(Va)	6.73	—————
	After 2h	(Vb)	6.10	—————
AG425K ASH19-004942.001		(Vc)	4.79	1.3

Virus Reduction to 0h = lg(Va)-lg(Vc) = lg 1.94 = 98.9% (Acc. to ISO 18184:2019)

Virus Reduction to control after 2h= lg (Vb)-lg(Vc)=lg 1.3 = 95% (Acc. to ISO 18184:2014)



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TEST RESULT(S):

Verification of this test		Test result	Verification
Test item	Criterion value		
a	The virus infective titre of inoculated concentration for the test (PFU/ml)	$\geq 10^7$	Pass
b	Verification of cytotoxic effect	No damage	Pass
	Verification of cell sensitivity to virus and inactivation of antiviral activity	≤ 0.5	Pass
c	Logarithm reduction value of infective titre of reference specimen	≤ 2.0	Pass

*** End ***

- Test a): Make sure the virus is full effect to infect test cell.
- b): Make sure the active matter is no cytotoxic to the cell.
- c): Make sure the cell it keep sensitive to virus.
- d): Make sure the reference (control) sample has no function to reduce virus.

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