

**Test Report****Report No.:** GZAFN160301067X-1**Date:** Apr 06 2016

Client name: GOOD NICE ANTI-MOLD CO. , LTD
Client address: No. 11, Huaxing Middle Road, Huaxing, Dongjing, Huadu Dist, Guangdong
Sample name: AEM5700-BS10
Sample Batch No.: /
Product Date: /
Manufacturer: GOOD NICE ANTI-MOLD CO. , LTD
Sample other information: use ABS antibacterial masterbatch AEM5700-BS10 provided by GOOD NICE ANTI-MOLD CO. , LTD

Above 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. GZAFN160301067X-1
SGS reference No. /
Date of sample received: Mar. 25, 2016
Testing period: Mar. 25, 2016 ~ Apr. 05, 2016

TEST(S) REQUESTED:

Selected test(s) as requested by the applicant

TEST METHOD(S):

Please refer to next page(s)

TEST RESULT(S):

Please refer to next page(s)

SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch



This test report refers only to the sample(s) tested. This document cannot be used for publicity, without prior written approval of the SGS.

Page 1 of 3

RAND: 3750310

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com



SGS-CSTC Standards Technical Services Co., Ltd.
Guangzhou Branch

No.198 Kezhu Road, Sciencetech Park, Guangzhou Economic & Technology Development District, Guangzhou, China 510663 t (86-20) 82155260 f (86-20) 82075027 www.sgs.com.cn
中国·广州·经济技术开发区科学城科珠路198号 邮编: 510663 t (86-20) 82155260 f (86-20) 82075027 e sgs.china@sgs.com

Member of the SGS Group (SGS SA)

TEST RESULT(S):

A: Test of antimicrobial activity

Test method: With reference to ISO 22196:2011

Test organism: *Staphylococcus aureus* ATCC 6538P, *Escherichia coli* ATCC 8739

Test Organism(s)	Concentration of bacteria (cfu/mL)	Volume of test inoculum (mL)	The log value of the number(cfu/cm ²) that bacteria recovered from the different contact time			The value of antimicrobial activity
			/	at "0h" contact time	at "24h" contact time	
<i>Staphylococcus aureus</i> ATCC 6538P	1.1x10 ⁶	0.2	Sample	/	-0.21	4.8
			Control Sample	4.08	4.58	
<i>Escherichia coli</i> ATCC 8739	1.0x10 ⁶	0.2	Sample	/	-0.21	5.3
			Control Sample	4.11	5.11	

Remark: The control sample is plastic film without antimicrobial activity, provided by SGS laboratory.

B: Determine the antimicrobial activity of the submitted sample in 18 hour(s)

Test method(s):With reference to ASTM E 2149-2013a

Test organism(s): *Staphylococcus aureus* ATCC 6538, *Escherichia coli* ATCC 25922

Name of test organism	The number of bacteria recovered from (CFU/mL)			Reduction %
	/	"0"contact time	"18h"contact time	
<i>Staphylococcus aureus</i> ATCC 6538	Sample (1g)	/	1.9x10 ¹	> 99
	Inoculum only control	2.4x10 ⁵	4.2x10 ⁵	
<i>Escherichia coli</i> ATCC 25922	Sample (1g)	/	2.2x10 ¹	> 99
	Inoculum only control	1.7x10 ⁵	2.5x10 ⁴	

Remark: The reduction calculations are based on values from inoculum only control.

SAMPLE DESCRIPTION: Sample in bag

Photo Appendix



SGS authenticate the photo on original report only
*** End of Report ***