



TEST REPORT

98, Gyoyukwon-ro, Gwacheon-si, Gyeonggi-do, 13810, Korea

TEL 82-32-328-2793

FAX 82-32-328-2795

Report No : TBK-2019-003729

Receipt Date : 2019.06.19.

Representative : Chul Ho, Lee

Test Completion Date : 2019.07.18.

Company name : DEER'S M co.,LTD

Address : 119, Cheongwonsandan 8-gil, Mado-myeon, Hwaseong-si, Gyeonggi-do, Republic of Korea

Sample name : Deers antimicrobial film(LLDPE)

Test Results

TEST ITEM	UNIT	SAMPLE	RESULT	TEST METHOD
Antibacterial test(E. coli)	-	Antibacterial activity(R)	6.8	JIS Z 2801 : 2012
Antibacterial test(S. aureus)	-	Antibacterial activity(R)	6.1	JIS Z 2801 : 2012
Antibacterial test(S. typhimurium)	-	Antibacterial activity(R)	5.6	JIS Z 2801 : 2012
Antibacterial test(K. pneumoniae)	-	Antibacterial activity(R)	6.1	JIS Z 2801 : 2012

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Jin-Sik Cho

Reviewed by Jin-Sik Cho

Tel : 1577-0091(ARS ①-④)

2019.07.18

Korea Testing & Research Institute

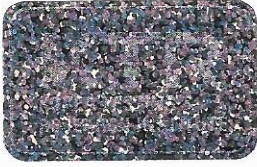
President *Kwon Oh-jung*



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TEST ITEM	UNIT	SAMPLE	RESULT	TEST METHOD
* Test strain				
- Escherichia coli ATCC 8739				
- Staphylococcus aureus ATCC 6538p				
- Salmonella typhimurium ATCC 13311				
- Klebsiella pneumoniae ATCC 4352				
** Untreated test pieces and covering film				
- Stomacher 400 (Sterile pouch)				
*** Interpretation of the results				
- Antibacterial activity > 1: > 90 %				
- Antibacterial activity > 2: > 99 %				
- Antibacterial activity > 3: > 99.9 %				
- Antibacterial activity > 4: > 99.99 %				
- Antibacterial activity > 5: > 99.999 %				

Attachment : Test report

- Usage of Report : QUALITY CONTROL

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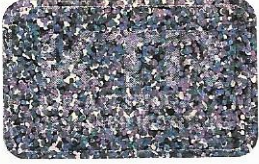
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- Note :
1. The test results of this test report are only limited in to the samples and sample names provided by the client and do not guarantee the quality of all products of the client. You Can check website (www.ktr.or.kr) or QR code to verify the authenticity of the certificate.
 2. This test report shall be used only within the purpose of its defined usage and shall not be used for public relation, advertisement and lawsuit.
 3. This test report is only valid when printed on KTR original report paper with hologram and when re-issued by KTR. The copy and the electronic file of the test report are only for reference.

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