

JM MATERIAL TECHNOLOGY INC.  
O.5F-3, NO.40-2, SEC.1, MINSHENG N.RD., GUISHAN  
TOWNSHIP,TAOYUAN COUNTY 333, TAIWAN(R.O.C.)

Report No. BA/2013/40614A-01

Date : 2013/05/03

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THE FOLLOWING MERCHANDISE WAS(WERE) SUBMITTED AND IDENTIFIED BY THE CLIENT AS :

**Product Name:** Nanophotocatalyst(glass)  
**Application :** JM MATERIAL TECHNOLOGY INC.  
**Item No./Lot. No.:** JM-TTA01  
**Sample Received :** 2013/04/18  
**Testing Date :** 2013/04/19  
**Test Method** JIS Z2803

TEST BACTERIA : <i>Escherichia coli</i>			ATCC 8739
Test Group	CFU/cm <sup>2</sup>	LOG	Antibacterial activity (R)
A	1.9 x 10 <sup>4</sup>	4.3	> 5.6
B	2.3 x 10 <sup>5</sup>	5.4	
C	< 0.63	-0.2	

TEST BACTERIA : <i>Staphylococcus aureus</i>			ATCC 6538
Test Group	CFU/cm <sup>2</sup>	LOG	Antibacterial activity (R)
A	2.4 x 10 <sup>4</sup>	4.4	2.7
B	2.1 x 10 <sup>5</sup>	5.3	
C	3.6 x 10 <sup>2</sup>	2.6	

NOTE:

1. A : Untreated test piece at "0" hr, bacteria counts should be at 6.2\*10<sup>3</sup> to 2.5\*10<sup>4</sup> CFU/cm<sup>2</sup>
2. B : Untreated test piece at "24" hrs
3. C : Antibacterial test piece at "24" hrs
4. Antibacterial activity (R)= (log(24hr/B\*)) ; R shall be > 2 for Antibacterial effectiveness.
5. If "Untreated test piece" can't be prepared, "Blank" may be used.
6. The report is in vain if it is partly reproduced or used.

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*Weber Lin*  
Weber Lin, M.R./Manager  
Signed for and on behalf of  
**SGS Taiwan Ltd.**



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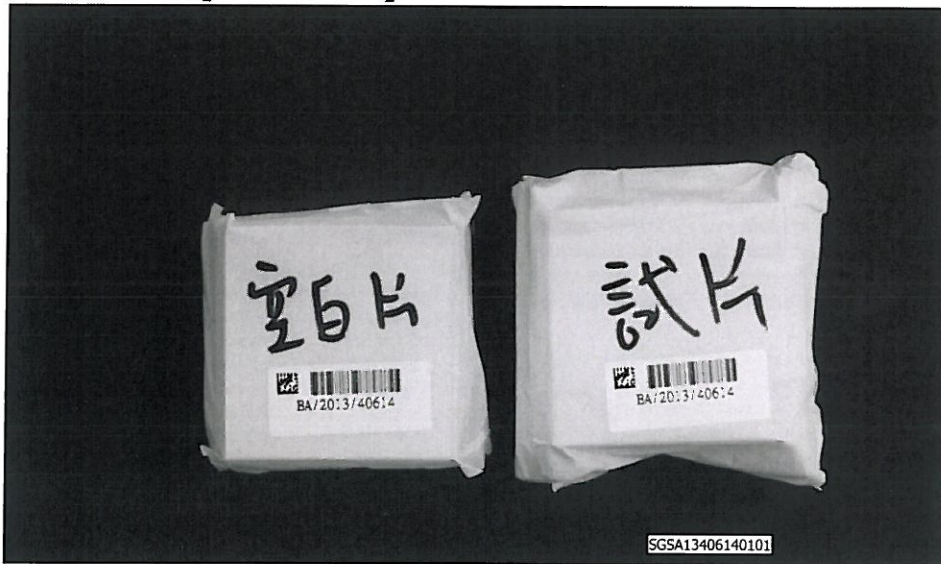
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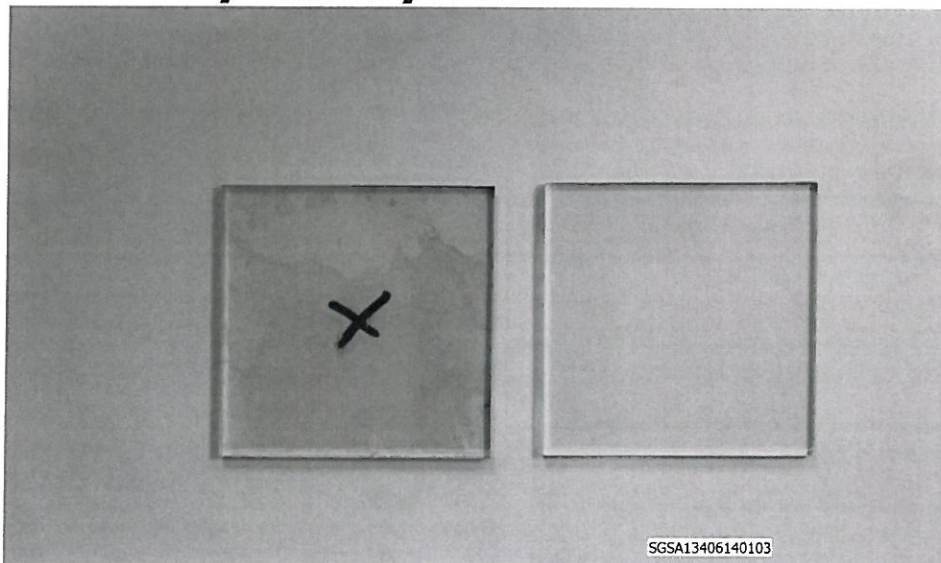
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Sample Photo

## BA/2013/40614-01



## BA/2013/40614



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