

13 September 2004

To Mr. Okuyama  
Decorative Graphics Technology Section  
Yamagata 3M Ltd.

Technical Manufacture Dept, Development Group  
Bando Chemicals Ltd. Chemical Products Section  
[Official stamp] Matsumoto, Nishiyama

PS-959NEA Anti-bacterial Testing Results

We trust that your company is prospering and deeply appreciate our ongoing business relationship.

We are writing to let you know that the above test has been completed and to inform you of the results shown below, which we hope are satisfactory.

Regards

I. Tested samples (all individual films)

1. Blanks (with no added anti-bacterial or anti-mould agents)
2. PS-959NEA (Lot no. KTJ050, 070, 080)
3. PS-959NEA (Lot no. CBL 130, 140)

\* On this occasion the test was carried out in 2 lots (films).

II. Testing method and results

Anti-bacterial test

- (1) Testing institution: JSIF Japan Spinners Inspecting Foundation  
(accredited by the JNLA)  
Testing method: Based on JIS Z2801 (adhesive film method)  
Process type: Unprocessed  
Bacteria under testing: E coli, staphylococcus aureus
- (2) Results

	E.coli (Number of bacteria initially: $2.1 \times 10^6$ )		staphylococcus aureus (Number of bacteria initially: $1.7 \times 10^6$ )	
	After 24hrs	Activity value	After 24 hrs	Activity value
(1) Blanks	$1.0 \times 10^4$	-	$2.4 \times 10^4$	$3.9 \times 10^4$
(2) KTJ	< 10	3.0	$1.3 \times 10$	3.2
(3) CBL	$2.0 \times 10$	2.7	$1.0 \times 10$	3.3

III. Summary

Each lot in this test displayed anti-bacterial properties.

End