

## CERTIFICATE OF ANALYSIS

Serial # of report : 1-1774  
 Date of analysis : February 10, 2012  
 Item of analysis : Antimicrobial effect  
 Requested by : nanoYo Japan Co., Ltd.  
 Sample : nanoYo treated cloths for mask



1cm

### Results

Sample	Number of viable cell (CFU/ml)		
	0h	18h	28h
nanoYo treated cloth	$6.4 \times 10^3$	$7.7 \times 10^2$	<300

### Methods

In this test the modified procedure from the Japanese standard JIS L 1902:2002 was used.

The test cloths (18mm × 18mm) were inoculated with 200 μL of *Staphylococcus aureus* IAM 1011 suspension ( $7.7 \times 10^5$  CFU/ml). The inoculated cloths were transferred to jars with caps to prevent evaporations. These jars were placed approximately 20 cm from fluorescent light (10W) and incubated at 30°C under the lighting. After various time period incubation, 20 mL of sterilized saline added to each jar. One mL solution of these suspensions was diluted and assayed onto agar medium. After incubation, bacteria colonies were counted.



Analyzed by:  
Shigeaki Ikemoto

The director general of Industrial Technology Center of Wakayama Prefecture hereby certifies that analytical data of the sample described above are true and correct.

Wakayama, February 21, 2012



Koji Ukegawa  
 Director general  
 Industrial Technology Center of  
 Wakayama Prefecture

