

TEST REPORT

Report Number : 15-0826-045-03、04、06
Applicant : You Yuan Technology Co., LTD

Date Received : 2015/08/26
Sample Name : Shown as the table

Test Period : 2015/08/26 ~ 2015/09/30
Date Issued : 2015/10/07

Sample Info : Shown as the table

Applicant Address : No.116, Zhongshan Rd., Toufen Township, Miaoli County 351, Taiwan (R.O.C.)

Item(s)	Result(s)	Remark(s)
Antimicrobial test of <i>Escherichia coli</i>		
Antimicrobial test of <i>Staphylococcus aureus</i>	Shown as the table	
Silver (Ag)		

~~~~ The End ~~~~

Method :

Reference customer's specific testing method.

Test procedure :

Control bacterial count : Measured diluted type culture strain (*E. coli*: BCRC 11634, *S. aureus*: BCRC 12154) and calculated control bacterial count.

Test : Measured culture strain (*E. coli*: BCRC 11634, *S. aureus*: BCRC 12154) add into water and after using Nano-Silver Yarns (Ag+) Active Antimicrobial Shower Nozzle and others' shower nozzle to filtrate, then take this liquid to test.

Calculate antibacterial rate :  $\text{Antibacterial rate} = (\text{control bacterial count} - \text{final bacterial count}) / \text{control bacterial count} \times 100\%$

Authorized Representative:



1. Samples and names were provided by the client. The lab was responsible for analysis only.
2. The analysis results are only effective for the samples in this report.
3. The report is for reference only and not for commercial or legal purposes
4. Contents of the report may only be reproduced in full. Partial copies may not be made without permission.
5. This report will be rendered invalid if altered.
6. N.D. means Non Detected.
7. Positive means Detected. Negative means Non Detected.
8. Not all items in the report were accredited by TFDA other than the specified items.

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**Result :**

***E. coli*: BCRC 11634**

| TUV No.                          | 15-0826-045-03                                                   | 15-0826-045-04                                                                 | 15-0826-045-06        |
|----------------------------------|------------------------------------------------------------------|--------------------------------------------------------------------------------|-----------------------|
| Sample                           | Nano-Silver Yarns (Ag+) Active Antimicrobial Shower Nozzle <New> | Nano-Silver Yarns (Ag+) Active Antimicrobial Shower Nozzle <Used for one year> | others' shower nozzle |
| control bacterial count (CFU/mL) | 1.5*10 <sup>6</sup>                                              | 1.5*10 <sup>6</sup>                                                            | 4.9*10 <sup>5</sup>   |
| final bacterial count (CFU/mL)   | 1.2*10 <sup>5</sup>                                              | 1.2*10 <sup>5</sup>                                                            | 4.8*10 <sup>5</sup>   |
| antibacterial rate (%)           | 92.0%                                                            | 92.0%                                                                          | <5.0%                 |

***S. aureus*: BCRC 12154**

| TUV No.                          | 15-0826-045-03                                                   | 15-0826-045-04                                                                 | 15-0826-045-06        |
|----------------------------------|------------------------------------------------------------------|--------------------------------------------------------------------------------|-----------------------|
| Sample                           | Nano-Silver Yarns (Ag+) Active Antimicrobial Shower Nozzle <New> | Nano-Silver Yarns (Ag+) Active Antimicrobial Shower Nozzle <Used for one year> | others' shower nozzle |
| control bacterial count (CFU/mL) | 1.0*10 <sup>6</sup>                                              | 1.0*10 <sup>6</sup>                                                            | 6.4*10 <sup>5</sup>   |
| final bacterial count (CFU/mL)   | 8.0*10 <sup>4</sup>                                              | 8.0*10 <sup>4</sup>                                                            | 6.2*10 <sup>5</sup>   |
| antibacterial rate (%)           | 92.0%                                                            | 92.0%                                                                          | <5.0%                 |



*Jogelchen*

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**Silver (Ag)**

|           |                                                                  |                                                                                |                       |
|-----------|------------------------------------------------------------------|--------------------------------------------------------------------------------|-----------------------|
| TUV No.   | 15-0826-045-03                                                   | 15-0826-045-04                                                                 | 15-0826-045-06        |
| 樣品 Sample | Nano-Silver Yarns (Ag+) Active Antimicrobial Shower Nozzle <New> | Nano-Silver Yarns (Ag+) Active Antimicrobial Shower Nozzle <Used for one year> | others' shower nozzle |
| Ag (mg/L) | 0.00067                                                          | 0.00499                                                                        | -                     |

sample photo :



**15 - 0826 - 045 - 03**

TUV No. 15-0826-045-03



*Joyelchen*

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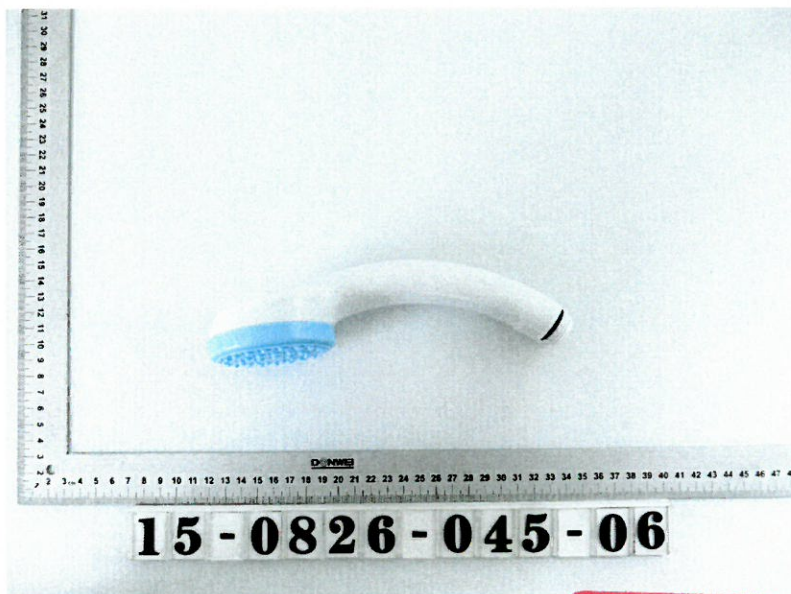
**TEST REPORT**

Report Number : 15-0826-045-03、04、06

sample photo :



TUV No. 15-0826-045-04



TUV No. 15-0826-045-06

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