

TEST REPORT

The report shall not be reproduced without written approval from Intertek
The results relate only to the item tested.

Number: BKKH21001150S1

Applicant: DNA CHEMICAL HOUSE (THAILAND) CO., LTD.
137/5 MOO 1 SALAYA-NAKHONCHAI SREE RD.,
SALAYA, PHUTTAMONTHON, NAKORNPRATHOM 73170
ATTN: K.THANIT

Issued Date: Feb 09, 2021
**This report supersedes
The previous report
Date Feb 09, 2021**

Sample Submitted:

Quantity of sample:	1 set
Sample description:	UV Machine and spoon
Date sample received:	January 27, 2021
Date information submitted:	February 10, 2021

Client Information:

Item name:	Utensil Sterilization
Ref.:	VIO



Test conducted:

As requested by the applicant, for details please refer to attached page(s)

For and on behalf of :
Intertek Testing Services (Thailand) Ltd.,
Hardlines Laboratory

Ladtaka Wongwiboonporn
Operation Manager
Hardlines Department



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Test conducted:

Test result:

Determination of bacterial effectiveness of ultraviolet lamp

Based on customer's requirement

Condition of testing: **After green light off**

Result:

1. *Staphylococcus aureus* ATCC 6538

No	Test item	Result		Killing activity	
		CFU	Log ₁₀	%Reduction	Log Reduction
1	Initial <i>S. aureus</i> ATCC 6538 inoculation, CFU/ml (300 µl/spoon)	5.1x10 ⁸	-	-	-
2	The average <i>S. aureus</i> from Untreated spoon (A), CFU/spoon	1.8x10 ⁵	5.26	99.995	4.31
3	The average <i>S. aureus</i> from Treated spoon (B), CFU/spoon	9	0.95		

2. *Escherichia coli* ATCC 8739

No	Test item	Result		Killing activity	
		CFU	Log ₁₀	%Reduction	Log Reduction
1	Initial <i>E. coli</i> ATCC 6538 inoculation, CFU/ml (300 µl/spoon)	3.7x10 ⁸	-	-	-
2	The average <i>E. coli</i> from Untreated spoon (A), CFU/spoon	1.3x10 ⁵	5.11	99.992	4.11
3	The average <i>E. coli</i> from Treated spoon (B), CFU/spoon	10	1.00		

Remark: CFU/Spoon = Colony forming unit per spoon
 % Reduction = 100 (A-B)/A
 Log reduction = Log₁₀ A- Log₁₀ B

Testing period: January 27, 2021 to February 09, 2021



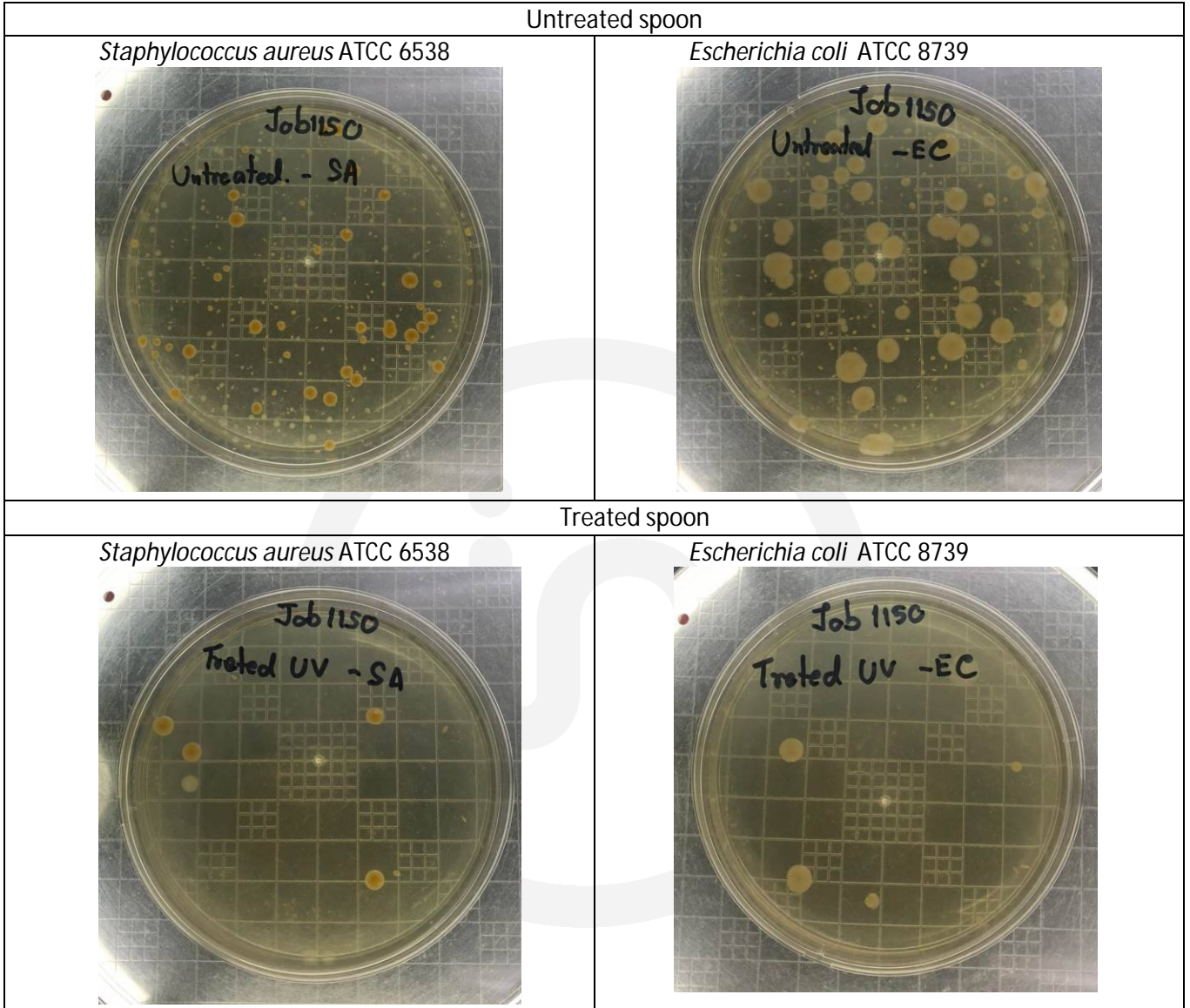
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Test conducted:

Photo of microorganism on agar plate



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