

Test Report

ASH23-0034683-01

Date: 2023-08-18

Client Name: K. Neerskov A/S
Client Address: Naverland 1D, 2600 Glostrup, Denmark

Sample Name: pvc tube
Sample Batch No.: /
Production Date: /
Manufacturer: /

Above information and sample(s) was/were submitted and certified by the client, SGS quoted the information with no responsibility as to the accuracy, adequacy and/or completeness.

SGS reference No.: NBP23-002020
Date of Sample Received: 2023-08-10
Testing Period: 2023-08-10 ~ 2023-08-18
Test Method(s): Please refer to next page(s).
Test Results(s): Please refer to next page(s).



SGS Approved Signatory

SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

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Testing Center Address: 3rd Floor, No. 889, Yishan Road, Shanghai, China

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Sample Description:

Sample No.	SGS Sample ID	Description
1	ASH23-0034683-0001	sample in bag

Test Result(s):

Test Requested: Selected test(s) as requested by applicant:Antimicrobial activity test

Test Method: ISO 22196:2011 Measurement of antibacterial activity on plastics and other non-porous surfaces

ASH23-0034683-0001

Test organism(s)	Escherichia coli ATCC 8739
Concentration of bacteria (cells/mL)	3.4×10 ⁵
Volume of test inoculum (mL)	0.225
U ₀	3.87
U _t	5.89
A _t	2.95
B (cells/cm ²)	7.7×10 ⁵
C (cells/cm ²)	8.9×10 ²
R	2.9
*The antibacterial activity rate (%)	99.9

Notes:

- The untreated test specimens is plastic film without antimicrobial activity, provided by SGS laboratory.
- U₀: the average of the common logarithm of the number of viable bacteria(cells/cm²) recovered from the untreated test specimens immediately after inoculation.
- U_t: the average of the common logarithm of the number of viable bacteria(cells/cm²) recovered from the untreated test specimens after 24 h.
- A_t: the average of the common logarithm of the number of viable bacteria(cells/cm²) recovered from the treated test specimens after 24 h.
- R: the value of antimicrobial activity, R=U_t-A_t.
- * The calculation formula of the antibacterial activity rate is $[(B-C)/B] \times 100\%$;
 B: arithmetic average of the numbers of bacteria obtained from the untreated test specimens after 24 h incubation(cells/cm²);
 C: arithmetic average of the numbers of bacteria obtained from the treated test specimens after 24 h incubation(cells/cm²).
- Pre-treatment: The surface of test specimen was wiped with 70% ethanol, rinsed with sterile water and let it air-dry.
- Test side: The silver side.
- Test area: 3cm x 3cm.

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Sample Photo:



SGS authenticate the photo on original report only

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