

TEST REPORT: 7191252117-CHM21-02-RC

Date: 23 FEB 2021

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Client's Ref:

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SUBJECT

Bacteriophage Penetration Testing of Gloves

CLIENT

24KK Co. Ltd.
75/9 Ocean Tower 2 Building,
Room No. 7 14th Floor, Soi Sukhumvit 19,
(Vadhana) Sukhumit Rd., Khlong Toei Nuea, Vadhana
Bangkok Thailand

SAMPLE SUBMISSION DATE / TEST DATE

15 Jan 2021 / 04 Feb 2021

DESCRIPTION OF SAMPLE

One sample of gloves was received.

| S/N | Product Description | Brand/ Model | Size | Colour | Lot No. | Expiry date | Sample received (pieces) | Manufacturer |
|-----|----------------------------|--------------|------|--------|-------------|-------------|--------------------------|---------------|
| 1 | Nitrile Examination Gloves | Glov | M | Blue | Glov001NPFE | 09/2023 | 700 | 24KK Co. Ltd. |



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TUV®

DESCRIPTION OF SAMPLE (cont'd)



Figure 1: Photograph of Nitrile Examination Gloves (Lot No.: Glov001NPFE)

METHOD OF TEST

ISO 16604 : 2004, "Clothing for protection against contact with blood and body fluids – Determination of resistance of protective clothing materials to penetration by blood-borne pathogens – Test method using Phi-X174 bacteriophage"

Time and Pressure Protocols: Procedure B

Retaining Screen: Metal square mesh screen

Test specimens:

- Dimensions of 75 mm square were cut from the palm and back area of the gloves for the tests.
- Average thickness of test specimen: 0.05 mm
- Average mass per unit area of test specimen: 90.67 grams per square metre

Tests were performed in triplicates.

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RESULTSControl Tests

| Control Test | Detection of Phi-X174 Bacteriophage |
|--------------------------------------|--|
| Airborne Contamination Control Tests | Settle plates each found to have Less than 1 PFU per plate |
| Negative Control | Less than 1 PFU per ml of assay fluid |
| Positive Control | Bacteriophage challenge suspension penetrated positive control test specimen |
| Compatibility Ratio | 1.11 |

Test Specimens

Product Name : Nitrile Examination Gloves

Lot No. : Glov001NPFE


| Test Specimens (Triplicates) | Starting Bacteriophage challenge Titer (PFU/ml) | Ending Bacteriophage challenge Titer (PFU/ml) | Detection of Phi-X174 Bacteriophage in assay fluid from the surface of sample (PFU/ml) | Specification | Pass / Fail |
|------------------------------|---|---|--|---------------|-------------|
| #1 | 140 000 000 | 120 000 000 | Less than 1 | < 1 PFU/ml | Pass |
| #2 | | 130 000 000 | Less than 1 | | Pass |
| #3 | | 130 000 000 | Less than 1 | | Pass |

Notes:

PFU : Plaque Forming Unit

Remarks:

The above test results relate to the samples as received.


MS GERMAINE KHONG ZHI YU
TECHNICAL EXECUTIVE
MS TI HUI EN
MICROBIOLOGIST
MICROBIOLOGY
CHEMICAL & MATERIALS

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Effective 01 January 2021