

**Test Report No. 7191252117-EEC21/01-WBH**  
**dated 23 Feb 2021**



PSB Singapore

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**SUBJECT:**

Testing of Gloves submitted by 24KK Co. Ltd. on 01 Dec 2020.

**TESTED FOR:**

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

**TEST DATE:**

04 Jan 2021 to 07 Jan 2021, 04 Feb 2021

**DESCRIPTION OF SAMPLES:**

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.



**Laboratory:**  
TÜV SÜD PSB Pte. Ltd.  
TÜV SÜD @ IBP  
15 International Business Park  
Singapore 609937

Phone : +65-6778 7777  
E-mail: info.sg@tuvsud.com  
<https://www.tuvsud.com/en-sg>  
Co. Reg : 199002667R

**Regional Head Office:**  
TÜV SÜD Asia Pacific Pte. Ltd.  
TÜV SÜD @ IBP  
15 International Business Park  
Singapore 609937  
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#### **METHOD OF TEST:**

The tests were conducted in accordance with the following test standards:

BS EN ISO 374-5:2016 Protective gloves against dangerous chemicals and micro-organisms – Part 5: Terminology and performance requirements for micro-organisms risks

- Clause 5.1 General requirements  
(Test method described in EN 420:2003+A1:2009 Protective gloves – General requirements and test methods)
- Clause 5.2 Penetration  
(Test method described in EN 374-2:2014 Protective gloves against dangerous chemicals and micro-organisms – Part 2: Determination of resistance to penetration)

Clause 5.3 Protection against viruses

(Test method described in 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-X 174 Bacteriophage, Method B)

#### **RESULTS:**

Sample: Nitrile Glove, Glov, Blue, Size M

Table 1: Results for tests according to BS EN ISO 374-5:2016 Clauses 5.1-5.3

Clause	Tests	Specification	Results	Inferred Result
5.1	General Requirement	Protective gloves against dangerous chemicals shall comply with the requirements given in EN 420:2009, Clause 4, Clause 5 and Clause 7.	Refer to Table 2 for results of EN 420, Clause 4 and Clause 5 for applicable tests.  The submitted glove and packaging not tested to EN 420 Clause 7 Marking and information as requested by client.	Passed  Not tested
5.2	Penetration	Protective gloves shall not leak when tested according to EN 374-2:2014, 7.2 and 7.3. 7.2 Air leak test 7.3 Water leak test	No leakage for both tests	Passed
5.3	Protection against viruses	Shall exhibit no detectable transfer (<1 PFU/ml) of the Phi-X174 bacteriophage in the assay titre	Refer to 7191252117-CHM21-02-RC for detailed results.	Passed

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**RESULTS (cont'd):**

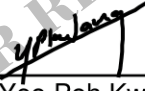
Sample: Nitrile Glove, Glov, Blue, Size M

Table 2: Results for EN 420:2003+A1:2009

Test	EN 420:2003+A1:2009 Requirements		Results	Inferred Results
I. Determination of pH Value, pH value	> 3.5 and < 9.5		7.0	Passed
II. Sizing, minimum length of glove (mm)	Size	Minimum length of glove (mm)	249	Passed
	M (8)	240		
III. Dexterity, level of performance	Level of performance	Smallest pin diameter fulfilling test conditions (mm)	5	See remark 1
	1	11		
	2	9.5		
	3	8		
	4	6.5		
	5	5		

**REMARKS:**

1. A glove should allow as much dexterity as possible given its purpose. Four gloves were tested and smallest performance level was reported.
2. For Clause 5.2 Penetration, the test sample will be four gloves of each size, with an overall minimum of 4 gloves per performed test (Air leak test and Water leak test). If one sample fails the penetration test, the test shall be reported as having failed.

  
Yeo Poh Kwang  
Associate Engineer

  
Wong Bee Hui  
Product Manager  
Medical Health Services (NAM)

**APPENDIX:**



Photo: Nitrile Glove, Glov, Blue, Size M



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Effective 01 January 2021