



CAREPLUS

NITRILEGLOVES

CarePlus Nitrilecare® Examination Gloves - Powder Free





Nitrile Examination Gloves

The NitrileCare® nitrile examination glove is manufactured in Malaysia by CarePlus Global, who for over 30 years have produced top quality gloves with consistency and reliability.

The NitrileCare® nitrile examination glove has a premium finish, meeting the ASTM Chemo/ Viral Barrier/ ISO quality standards and has FDA 510(k) approval. It has been tested for use with Chemotherapy Drugs for ultimate hand protection you can always trust.



Multi-Purpose



NitrileCare® Examination Gloves

Specifications & Certifications



Multi-Purpose



The NitrileCare® glove is manufactured in Malaysia and distributed to North America. This 3.5gm indigo blue glove meets ISO quality and ASTM Chemo/ Viral Barrier standards and holds FDA 510(k) approval.

Product Technical Data Sheet

| | | | |
|------------------------|---------------------------------|---------|--|
| Type | Powder-Free, Examination Glove | | |
| Specification | Non-Sterile/Disposable | | |
| Cuff | Beaded | | |
| Weight | 3.5gm +/- 0.3gm (0.12 fl oz.) | | |
| Colour | Indigo Blue | | |
| Primary Material | Nitrile | | |
| Surface | External: Finger Textured | | |
| Powder Control | <=2mg/glove | | |
| Packaging | 100 pcs/box | | |
| Size & Product Code | Small: | MS60412 | |
| | Medium: | MS60413 | |
| | Large: | MS60414 | |
| | Extra-large: | MS60415 | |
| Product Name | NirtileCare® Examination Gloves | | |
| Hand Design | Ambidextrous | | |
| Origin of Manufacturer | Mayalsia | | |

Product Properties

| Test Method | Characteristics | | | Requirement | Median |
|-------------|--|-----------------------|--------|-------------|----------------|
| ATSM D6319 | Dimensions (mm) | Width (M) | | 95 ± 10 | 95 |
| | | Length (M) | | Min 230 | 240 (9,5*) |
| | | Thickness single (mm) | Finger | Min 0.05 | 0.10 (4.0mils) |
| | | | Palm | Min 0.05 | 0.08 (3.1mils) |
| ASTM D5151 | Freedom from holes | | | No leakage | NA |
| ASTM D412 | Before accelerated aging. | | | | |
| | Tensile Strength (MPa) | | | Min 14 | 30 |
| | Ultimate elongation (%) | | | Min 500 | 650 |
| ASTM D573 | After accelerated aging at (70±2 °C 166±2 hr). | | | | |
| | Tensile Strength (MPa) | | | Min 14 | 14 |
| | Ultimate elongation (%) | | | Min 400 | 400 |

Certifications



| | |
|-------------------|--|
| US Standards | ASTM 6319, ASTM 6978 Chemo/ ASTM F1671 Viral Barrier |
| FDA Information | FDA 510(k) - K172015 |
| Quality Standards | ISO 9001:2015, EN ISO 13485:2016 |

510(k) Premarket

3/5/2021

510(k) Premarket Notification



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510(k) Premarket Notification

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| | |
|-------------------------------------|--|
| Device Classification Name | Polymer Patient Examination Glove ²² |
| 510(K) Number | K172015 |
| Device Name | POWDER FREE NITRILE EXAMINATION GLOVES, BLUE (COLORED) |
| Applicant | Careglove Global Sdn Bhd Lot 17479, Lrg Senawang 3/2, Off Jln Senawang 3, Senawang In Seremban, MY 70450 |
| Applicant Contact | Lim Kwee Shyan |
| Correspondent | Careglove Global Sdn Bhd Lot 17479, Lrg Senawang 3/2, Off Jln Senawang 3, Senawang In Seremban, MY 70450 |
| Correspondent Contact | Lim Kwee Shyan |
| Regulation Number | 880.6250 ²³ |
| Classification Product Code | LZA ²⁴ |
| Date Received | 07/03/2017 |
| Decision Date | 09/26/2017 |
| Decision | Substantially Equivalent (SESE) |
| Regulation Medical Specialty | General Hospital |
| 510k Review Panel | General Hospital |
| Summary | Summary ²⁵ |
| Type | Traditional |
| Reviewed By Third Party | No |
| Combination Product | No |

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U.S. Department of **Health & Human Services**

FDA Establishment

3/5/2021

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Proprietary Name: POWDER FREE NITRILE EXAMINATION GLOVES
BLUE (COLORED)
Classification Name: POLYMER PATIENT EXAMINATION GLOVE
Product Code: [LZA](#)⁶
Device Class: 1
Regulation Number: [880.6250](#)⁷
Medical Specialty: General Hospital
Registered Establishment Name: [CAREGLOVE GLOBAL SDN BHD](#)⁸
Registered Establishment Number: 3014164734
Premarket Submission Number: [K172015](#)⁹
Owner/Operator: [Careglove Global Sdn Bhd](#)¹⁰
Owner/Operator Number: 10051431
Establishment Operations: Contract Manufacturer; Manufacturer

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ASTM D6978 (1)



Testing. Development. Problem Solving.

September 14, 2020

TEST REPORT

PN 155473

PHARMACEUTICAL SERVICES

Prepared For:

Murni Razali

CareGlove Global Sdn. Bhd.

Lot 17479 Senawang Industrial Estate

Lorong Senawang 3/2 Kawasan Perusahaan Senawang Seremban, Negeri Sembilan 70450
Malaysia

Prepared By:

Tiffany Heller
Manager, Pharmaceutical Services

Approved By:

Ana C Barbur, M.S.
Vice President, Analytical & Chemical Services

Rev 101218



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Testing. Development. Problem Solving.

September 14, 2020

Murni Razali

CareGlove Global Sdn. Bhd.

Page 2 of 4

PN 155473

SUBJECT: Permeation testing per ASTM D6978 on sample submitted by the above company.

RECEIVED: One (1) glove type identified as; Blue Nitrile Examination Gloves, Powder Free, Sample ID: M29070.

TEST CHEMICALS:

Table 1. List of the Testing Drugs and their Sources

| TESTING CHEMOTHERAPY DRUGS | DRUG SOURCE |
|---|--|
| Carmustine (BCNU), 3.3 mg/ml (3,300 ppm) | USP; Lot# R116Y0; Expiration 07/2021 |
| Cisplatin, 1.0 mg/ml (1,000 ppm) | Accord; Lot# P2001296; Expiration 01/2022 |
| Cyclophosphamide (Cytoxan), 20.0 mg/ml (20,000 ppm) | Accord; Lot# 19112225; Expiration 10/2021 |
| Dacarbazine, 10.0 mg/ml (10,000 ppm) | Teva; Lot# 31325414B; Expiration 09/2021 |
| Doxorubicin HCl, 2.0 mg/ml (2,000 ppm) | WestWard; Lot# BJ0051; Expiration 06/2021 |
| Etoposide, 20.0 mg/ml (20,000 ppm) | Teva; Lot# 31325485B; Expiration 07/2021 |
| Fluorouracil, 50.0 mg/ml (50,000 ppm) | Accord; Lot# P2001167; Expiration 01/2022 |
| Ifosfamide, 50 mg/ml (50,000 ppm) | Baxter Healthcare; Lot# 9A018G; Expiration 01/2022 |
| Mitoxantrone, 2 mg/ml (2,000 ppm) | USP; Lot# J0F278; Expiration 07/2021 |
| Paclitaxel, 6.0 mg/ml (6,000 ppm) | Teva; Lot# 19K24KA; Expiration 11/2021 |
| ThioTepa, 10.0 mg/ml (10,000 ppm) | USP; Lot # R11380; Expiration 04/2021 |
| Vincristine Sulfate, 1.0 mg/ml (1,000 ppm) | Hospira; Lot# G057139AA; Expiration 03/31/2021 |

COLLECTION MEDIA:

Table 2. Collection Media for Test Drug

| TEST DRUG AND CONCENTRATION | COLLECTION MEDIUM |
|---|-----------------------------------|
| Carmustine (BCNU), 3.3 mg/ml (3,300 ppm) | 10% Ethanol Aqueous Solution |
| Cisplatin, 1.0 mg/ml (1,000 ppm) | Distilled Water |
| Cyclophosphamide (Cytoxan), 20.0 mg/ml (20,000 ppm) | Distilled Water |
| Dacarbazine, 10.0 mg/ml (10,000 ppm) | Distilled Water |
| Doxorubicin HCl, 2.0 mg/ml (2,000 ppm) | Distilled Water |
| Etoposide, 20.0 mg/ml (20,000 ppm) | Distilled Water |
| Fluorouracil, 50.0 mg/ml (50,000 ppm) | 9.20 pH Sodium Hydroxide Solution |
| Ifosfamide, 50 mg/ml (50,000 ppm) | Distilled Water |
| Mitoxantrone, 2 mg/ml (2,000 ppm) | Distilled Water |
| Paclitaxel, 6.0 mg/ml (6,000 ppm) | 30% Methanol Aqueous Solution |
| ThioTepa, 10.0 mg/ml (10,000 ppm) | Distilled Water |
| Vincristine Sulfate, 1.0 mg/ml (1,000 ppm) | Distilled Water |

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ASTM D6978 (2)

September 14, 2020

Murni Razali
CareGlove Global Sdn. Bhd.

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PN 155473

TESTING CONDITIONS:

Standard Test Method Used: ASTM D6978
Analytical Method: UV/VIS Spectrometry
Testing Temperature: 35.0°C ± 2.0
Collection System: Closed Loop
Specimen Area Exposed: 5.067 cm²
Selected Data Points: 25/test
Number of Specimens Tested: 3/test
Location Sampled From: Cuff

DETECTION METHOD OF CHEMICAL PERMEATION:

UV/VIS ABSORPTION SPECTROMETRY:

Instrument: Perkin Elmer UV/VIS Spectrometer Lambda 25

UV/VIS Absorption Spectrometry was used to measure the absorbance of test chemicals, which permeated through the specimens into the collection medium. The collection medium was circulated in a closed loop through the testing period. Data collection was performed according to the programmed schedule by means of UV Winlab software from the Perkin Elmer Corporation. The list of the characteristic wavelengths is shown below.

Table 3. Characteristic Wavelengths used in UV/VIS Absorption Spectrometry

| TESTING DRUG | WAVELENGTH (nm) |
|---|-----------------|
| Carmustine (BCNU), 3.3 mg/ml (3,300 ppm) | 229 |
| Cisplatin, 1.0 mg/ml (1,000 ppm) | 199 |
| Cyclophosphamide (Cytosan), 20.0 mg/ml (20,000 ppm) | 200 |
| Dacarbazine, 10.0 mg/ml (10,000 ppm) | 320 |
| Doxorubicin HCl, 2.0 mg/ml (2,000 ppm) | 232 |
| Etoposide, 20.0 mg/ml (20,000 ppm) | 205 |
| Fluorouracil, 50.0 mg/ml (50,000 ppm) | 269 |
| Ifosfamide, 50 mg/ml (50,000 ppm) | 200 |
| Mitoxantrone, 2 mg/ml (2,000 ppm) | 242 |
| Paclitaxel, 6.0 mg/ml (6,000 ppm) | 232 |
| ThioTepa, 10.0 mg/ml (10,000 ppm) | 199 |
| Vincristine Sulfate, 1.0 mg/ml (1,000 ppm) | 220 |

SAMPLE CHARACTERISTICS:

Table 4. Thickness characteristics for the tested: Blue Nitrile Examination Gloves, Powder Free, Sample ID: M29070.

| Testing Drug | Thickness (mm) | | | Average (mm) |
|--------------------------------------|----------------|----------|----------|--------------|
| | Sample 1 | Sample 2 | Sample 3 | |
| Carmustine (BCNU) | 0.059 | 0.064 | 0.066 | 0.063 |
| Cisplatin | 0.060 | 0.063 | 0.059 | 0.061 |
| Cyclophosphamide (Cytosan) | 0.058 | 0.062 | 0.059 | 0.059 |
| Dacarbazine | 0.060 | 0.062 | 0.062 | 0.061 |
| Doxorubicin | 0.063 | 0.058 | 0.068 | 0.063 |
| Etoposide | 0.057 | 0.063 | 0.062 | 0.060 |
| Fluorouracil | 0.062 | 0.061 | 0.063 | 0.062 |
| Ifosfamide | 0.062 | 0.066 | 0.061 | 0.063 |
| Mitoxantrone | 0.060 | 0.059 | 0.067 | 0.062 |
| Paclitaxel | 0.060 | 0.063 | 0.064 | 0.062 |
| ThioTepa | 0.067 | 0.063 | 0.061 | 0.064 |
| Vincristine Sulfate | 0.065 | 0.067 | 0.061 | 0.064 |
| Weight/Unit Area (g/m ²) | 57.0 | | | |

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September 14, 2020

Murni Razali
CareGlove Global Sdn. Bhd.

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PN 155473

RESULTS:

Table 5. Permeation Test Results on testing of: Blue Nitrile Examination Gloves, Powder Free, Sample ID: M29070.

| TEST CHEMOTHERAPY DRUGS | AVERAGE BREAKTHROUGH DETECTION TIME (Specimen 1/2/3) (Minutes) | AVERAGE STEADY STATE PERM. RATE (Specimen 1/2/3) (µg/cm ² /minute) | OTHER OBSERVATIONS |
|---|--|---|------------------------------------|
| Carmustine (BCNU), 3.3 mg/ml (3,300 ppm) | 22.6 (22.6, 23.0, 23.2) | 0.4 (0.4, 0.4, 0.4) | Moderate swelling and degradation |
| Cisplatin, 1.0 mg/ml (1,000 ppm) | >240 min. | N/A | Slight swelling and no degradation |
| Cyclophosphamide (Cytosan), 20.0 mg/ml (20,000 ppm) | >240 min. | N/A | Slight swelling and no degradation |
| Dacarbazine, 10.0 mg/ml (10,000 ppm) | >240 min. | N/A | Slight swelling and no degradation |
| Doxorubicin HCl, 2.0 mg/ml (2,000 ppm) | >240 min. | N/A | Slight swelling and no degradation |
| Etoposide, 20.0 mg/ml (20,000 ppm) | >240 min. | N/A | Slight swelling and no degradation |
| Fluorouracil, 50.0 mg/ml (50,000 ppm) | >240 min. | N/A | Slight swelling and no degradation |
| Ifosfamide, 50 mg/ml (50,000 ppm) | >240 min. | N/A | Slight swelling and no degradation |
| Mitoxantrone, 2 mg/ml (2,000 ppm) | >240 min. | N/A | Slight swelling and no degradation |
| Paclitaxel, 6.0 mg/ml (6,000 ppm) | >240 min. | N/A | Slight swelling and no degradation |
| ThioTepa, 10.0 mg/ml (10,000 ppm) | 43.9 (44.3, 43.9, 48.7) | 1.5 (1.5, 1.9, 1.2) | Slight swelling and degradation |
| Vincristine Sulfate, 1.0 mg/ml (1,000 ppm) | >240 min. | N/A | Slight swelling and no degradation |

Prepared By:

Jeffery Heller
Manager, Pharmaceutical Services

Approved By:

Ana C Barbur, M.S.
Vice President, Analytical & Chemical Services

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ASTM F1671 Viral Barrier



LGM PROPERTIES CORPORATION

(A Corporation of the Malaysian Rubber Board)
Global Testing and Consultancy for Rubber (G-TACr)

Jalan Sungai Buloh, Seksyen U4, 47000 Sungai Buloh, Selangor.
T +(6)03-6145 9471 F +(6)03-6141 2907
E gtacr@lgmpc.com.my W www.gtacr.com.my

The Rubber Industry's Catalyst For Rubber Sector Related Samples



TEST REPORT

REPORT NO : VPT/2009/0007

SUBJECT : VIRUS PENETRATION

SUBMITTED BY : CAREGLOVE GLOBAL SDN BHD
Lot 17479, Lorong Senawang 3/2
Off Jalan Senawang 3, Senawang Industrial Estate
70450 Seremban, Negeri Sembilan.

RECEIVED ON : September 28th, 2020

These results have been obtained on sample(s) submitted to us.

Condition of samples : Unused gloves with no wear or abrasion

Expected : No penetration of viral solution from inside the glove; any
penetration above 10 pfu is considered failed. Expected recovery;
100 ± 2%

Test objective : To determine that the viral solution did not penetrate > 10 pfu
within the test period (viral leak < 10 pfu)

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G-TACR/TR2/Issue No.2



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Global Testing and Consultancy for Rubber (G-TACr)

Jalan Sungai Buloh, Seksyen U4, 47000 Sungai Buloh, Selangor.
T +(6)03-6145 9471 F +(6)03-6141 2907
E gtacr@lgmpc.com.my W www.gtacr.com.my

The Rubber Industry's Catalyst For Rubber Sector Related Samples



TEST REPORT

REPORT NO : VPT/2009/0007

SAMPLE DESCRIPTION : Blue Nitrile Examination, Powder Free 3.5g
Product Code: M0-0820048

STANDARD TEST METHOD : ASTM F1671-07, Phi-X174 Bacteriophage Penetration Test

DATE OF TESTING : 05th - 06th October 2020

DATE OF REPORT : 07th October 2020

| Sample Id | Plague Forming Unit | Requirement Virus Leak (Pfu) | Status |
|------------|---------------------|------------------------------|--------|
| M0-0820048 | NP | <10 | PASS |

Note:
NP : No plaque formed
VSF* : Test results are acceptable if VSF > 0.8

Disclaimer
Test is performed to required specification (s) of the said standard (where applicable). Results reflect data obtained and/or observed from the samples provided for testing only. Results do not reflect shipment prior to the stated lot numbers, or condition of future shipment, nor does it reflect the quality of future production and manufacturing. Our organization is not liable for any mis-used of data or information

Yours Sincerely;

(TAJUL ANUAR YAKOUB)
Technical Manager
Biological Laboratory
Global Testing and Consultancy for Rubber (G-TACr)
47000 Sg Buloh, Selangor, Malaysia

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G-TACR/TR2/Issue No.2

FDA Food Grade Test Report (1)

SGS

Test Report No. : CRSSA/200946876-CA46743

Date: 24th September 2020

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CAREGLOVE GLOBAL SDN. BHD.
LOT 17479, LORONG SENAWANG 3/2, OFF JALAN SENAWANG 3,
SENAWANG INDUSTRIAL ESTATE, 70450 SEREMBAN, NEGERI SEMBILAN.

The following sample(s) was/were submitted and identified by the applicant as:

Blue Nitrile Examination Glove, Powder Free 3.5g

Job Ref No. : 2020-09-14-018
Date of Sample Received : 14th September 2020
Testing Period : 14th September 2020 – 24th September 2020

Test Requested : Please refer to the results summary

Test Method & Results : Please refer to next page(s).

Result Summary :

| Test Requested | Conclusion |
|--|------------|
| US FDA 21 CFR 177.2600 (Rubber Articles) – Determination of Amount of Extractives | PASS |

SIGNED FOR AND ON BEHALF OF
SGS (MALAYSIA) SDN BHD


CHEE TUCK CHOON
SECTION HEAD
IKM No. M/3983/6401/12/14

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Test Report No. : CRSSA/200946876-CA46743

Date: 24th September 2020

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Test Results :

US FDA 21 CFR 177.2600 (Rubber Articles) – Determination of Amount of Extractives

Method : With reference to US FDA 21 CFR 177.2600.

For use in contact with aqueous food:

| Extractant | Test Condition | Result (mg/inch ²) | Reporting Limit (mg/inch ²) | Permissible Limit (mg/inch ²) |
|-----------------|----------------------------------|--------------------------------|---|---|
| Distilled Water | Reflux temperature for 7 hours | 1.4 | 0.2 | 20 |
| | Succeeding 2 hours of extraction | N.D. | 0.2 | 1 |
| Comment | -- | PASS | -- | -- |

For use in contact with fatty food:

| Extractant | Test Condition | Result (mg/inch ²) | Reporting Limit (mg/inch ²) | Permissible Limit (mg/inch ²) |
|------------|----------------------------------|--------------------------------|---|---|
| n-Hexane | Reflux temperature for 7 hours | 1.2 | 0.2 | 175 |
| | Succeeding 2 hours of extraction | 0.3 | 0.2 | 4 |
| Comment | -- | PASS | -- | -- |

Sample Description : Blue Nitrile Examination Glove, Powder Free 3.5g

Note : 1. mg/inch² = milligram per square inch
2. N.D. = Not Detected

SIGNED FOR AND ON BEHALF OF
SGS (MALAYSIA) SDN BHD


CHEE TUCK CHOON
SECTION HEAD
IKM No. M/3983/6401/12/14

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FDA Food Grade Test Report (2)

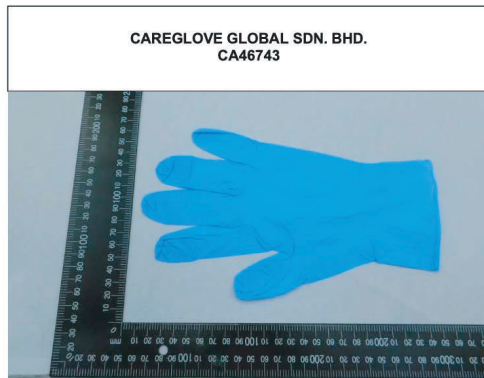
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Test Report No. : CRSSA/200946876-CA46743

Date: 24th September 2020

Page 3 of 3

Sample Photo:



SGS authenticate the photo on the original report only

*** End of Report ***

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SECTION HEAD
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SGS (Malaysia) Sdn.Bhd.
(Company No. 19871-T)

Lot 4, Persiaran Jubli Perak, Seksyen 22, 40300 Shah Alam, Selangor Darul Ehsan, Malaysia.
t +6(03) 7627 0080 f +6(03) 7627 0082 www.sgs.com

Member of the SGS Group (SGS SA)

ISO 9001



CERTIFICATE



This is to certify that

Careglove Global Sdn. Bhd.

Lot 17479, Lorong Senawang 3/2,
Off Jalan Senawang 3,
Senawang Industrial Estate,
70450 Seremban, Negeri Sembilan,
Malaysia.

has implemented and maintains a **Quality Management System**.

Scope:

Manufacture and Supply of Non-sterile Powdered and Powder Free Latex and Nitrile Examination Gloves.

Manufacture and Supply of Sterile Powdered and Powder Free Latex Surgical Gloves.

Through an audit, documented in a report, it was verified that the management system fulfills the requirements of the following standard:

ISO 9001 : 2015

Certificate registration no. 496791 QM15

Date of certification 2021-05-28

Valid until 2024-05-27



QS 02062017 CB 18

DQS Certification (M) Sdn Bhd

Danny Ng
Regional Managing Director

Accredited Body: DQS Malaysia, Suite 43-3 Setia Avenue, Jalan Setia Prima S U 13/S,
Setia Alam Seksyen U 13, 40170 Shah Alam, Selangor - Malaysia

ISO 13485



CERTIFICATE



This is to certify that

Careglove Global Sdn. Bhd.

Lot 17479, Lorong Senawang 3/2,
Off Jalan Senawang 3,
Senawang Industrial Estate,
70450 Seremban, Negeri Sembilan,
Malaysia.

has implemented and maintains a **Quality Management System**.

Scope:

Manufacture and Supply of Non-sterile Powdered and Powder Free Latex and Nitrile Examination Gloves.

Manufacture and Supply of Sterile Powdered and Powder Free Latex Surgical Gloves.

Through an audit, documented in a report, it was verified that the management system fulfills the requirements of the following standard:

ISO 13485 : 2016

Certificate registration no. 496791 MP2016

Date of certification 2021-05-28

Valid until 2024-05-27



DQS Certification (M) Sdn Bhd

Danny Ng
Regional Managing Director

Accredited Body: DQS Malaysia, Suite 43-3 Setia Avenue, Jalan Setia Prima S U 13/S,
Setia Alam Seksyen U 13, 40170 Shah Alam, Selangor - Malaysia

EC Declaration



CAREGLOVE GLOBAL SDN BHD
(933760-W)

Lot 17479, Lorong Senawang 3/2, Off Jalan Senawang 3,
Senawang Industrial Estate, 70450 Seremban, Negeri Sembilan, Malaysia.
Tel: 60-6-6782377, 60-6-6788377 Fax: 60-6-6785377
Email: info@careglove.com

EC Declaration of Conformity

according to the Medical Devices Directive 93/42/EEC

Manufacture: CAREGLOVE GLOBAL SDN. BHD.

Address: Lot 17479, Lorong Senawang 3/2, Off Jalan Senawang 3,
Senawang Industrial Estate, 70450 Seremban, Negeri Sembilan,
Malaysia.

EC Representative: Welkang Ltd.
Suite B, 29 Harley Street, London W1G 9QR, UK.

We, the manufacture, declare under our sole responsibility that the medical device (s)

Product Name: Nitrile Examination Glove, Powdered and Powder Free

Class: I

**is in conformity with the relevant provisions and requirements of directive 93/42/EEC,
as amended by Directive 2007/47/EEC.**

Standards Applied: EN 455 Part 1, 2 & 3
ISO 11193-1
ASTM D6319

Authorised Signatory:

Lim Kwee Shyan
Managing Director

08th April 2020
Date

Negeri Sembilan, Malaysia
Place of Issue