

Certification Report

Product Certification Scheme



This Certification Report shall not be amended, changed, varied or modified in any manner whatsoever by the licensee or otherwise. If the Certification Report is to be furnished to any third party or to the public, each such Certification Report shall be furnished in full and its entirety. This Certification Report shall be read in conjunction with the Product Certification Agreement.

File No : P5-015094
Report No : RPT015220
Edition : 1 Revision : 0
Issued By : AHMAD FARIHAN BIN MOHD ALWI
Date Issued : 18/07/2022
Applicant : PDS SAFETY (MALAYSIA) SDN. BHD.
NO. 11 JALAN ANGGERIK MOKARA 31/61
KOTA KEMUNING SEKSYEN 31
40460, SHAH ALAM
SELANGOR, MALAYSIA
Factory : NANTONG QIANGSHENG SAFETY PROTECTION TECHNOLOGY CO., LTD.
NO.118 JIALINGJIANG ROAD
ECONOMIC DEVELOPMENT NEW ZONE,RUDONG
JIANGSU, CHINA
Product : PROTECTIVE GLOVES
Certification Basis : Standard (s) : • BS EN ISO 21420 : 2020
PROTECTIVE GLOVES- GENERAL REQUIREMENTS AND TEST METHODS
Product Certification Requirements in accordance to the Product Certification Agreement
Work Instruction : PCS/WI/WS/29

Verified By : WAN AHMAD JAILANI WAN MAHMUD 14/07/2022	Approved By : Ts. MD ADHA RAHMAT 15/07/2022
---	---

Part A: Product Evaluation

Brand	Model	Type	Rating	Size	Label
WORKsafe	510WSWG186SX	SOLVETRIL NITRILE F/COATED GLOVES	LEVEL OF PERFORMANCE [FINGER DEXTERITY] = LEVEL 5		MS
WORKsafe	510WSWGN800S X	NITRILE MICROFOAM COAT NYLON LINER GLOVES	LEVEL OF PERFORMANCE [FINGER DEXTERITY] = LEVEL 5		MS
WORKsafe	510WSWGNF100 1SX	FOAM NITRILE COATED NYLON GLOVES	LEVEL OF PERFORMANCE [FINGER DEXTERITY] = LEVEL 5		MS
WORKsafe	520WSWG112GS 10	WELDING GLOVE 13" LONG GREY PALM	LEVEL OF PERFORMANCE [FINGER DEXTERITY] = LEVEL 5		MS
WORKsafe	520WSWG125YS X	COWHIDE LEATHER GLOVES YELLOW	LEVEL OF PERFORMANCE [FINGER DEXTERITY] = LEVEL 5		MS
WORKsafe	520WSWG128NS X	GOATSKIN PREMIUM LEATHER GLOVES NEUTRAL	LEVEL OF PERFORMANCE [FINGER DEXTERITY] = LEVEL 5		MS
WORKsafe	510WSWG37715 SX	UNSUPPORTED FLOCKLINED NITRILE RUBBER 15MIL	LEVEL OF PERFORMANCE [FINGER DEXTERITY] = LEVEL 5		MS
WORKsafe	510WSWGN2953 0SX	UNSUPPORTED FLOCKLINED FULL NEOPRENE PEBBLE PATTERN	LEVEL OF PERFORMANCE [FINGER DEXTERITY] = LEVEL 5		MS
WORKsafe	510WSWGPU300 3	HPPE/PU EN388 2003 CUT 5	LEVEL OF PERFORMANCE [FINGER		MS

		GLOVES	DEXTERITY] = LEVEL 5		
WORKsafe	510WSWGN600	NITRILE MICROFOAM PALM COATED 13 GAUGE HPPE / STEEL CUT LEVEL F GLOVES	LEVEL OF PERFORMANCE [FINGER DEXTERITY] = LEVEL 5		MS
WORKsafe	510WSWGN600I MP	N6001MP NITRILE MICROFOAM PALM COATED TPR IMPACT SAFETY GLOVES CUT LEVEL F15	LEVEL OF PERFORMANCE [FINGER DEXTERITY] = LEVEL 5		MS

Manufacturing Process : Raw material → Cutting → Stitching → Assembly → inspection & Packing

Part B: Type Test Report

Test Report No	Date	Laboratory	Type	Result	Summary
2022CE1566	07/07/2022	CHEMICAL & CONSUMER SECTION (CEST) SIRIM QAS INTERNATIONAL SDN. BHD	Type Test Report	Pass	Sample 510WSWG186SX selected for type test to clauses : 4.1 – Glove design and construction – General, 4.2 – Innocuousness, 5.1 – Sizing and measurement of glove, 5.2 – Dexterity. Result : Passed.
2022CE1567	07/07/2022	CHEMICAL & CONSUMER SECTION (CEST) SIRIM QAS INTERNATIONAL SDN. BHD	Type Test Report	Pass	Sample 510WSWGN800SX selected for type test to clauses : 4.1 – Glove design and construction – General, 4.2 – Innocuousness, 5.1 – Sizing and measurement of glove, 5.2 – Dexterity. Result : Passed.
2022CE1568	07/07/2022	CHEMICAL & CONSUMER SECTION (CEST) SIRIM QAS INTERNATIONAL SDN. BHD	Type Test Report	Pass	Sample 510WSWGNF1001SX selected for type test to clauses : 4.1 – Glove design and construction – General, 4.2 – Innocuousness, 5.1 – Sizing and measurement of glove, 5.2 – Dexterity. Result : Passed.
2022CE1569	07/07/2022	CHEMICAL & CONSUMER SECTION (CEST) SIRIM QAS INTERNATIONAL SDN. BHD	Type Test Report	Pass	Sample 520WSWG112GS10 selected for type test to clauses : 4.1 – Glove design and construction – General, 4.2 – Innocuousness, 5.1 – Sizing and measurement of glove, 5.2 – Dexterity. Result : Passed.

2022CE1570	07/07/2022	CHEMICAL & CONSUMER SECTION (CEST) SIRIM QAS INTERNATIONAL SDN. BHD	Type Test Report	Pass	Sample 520WSWG125YSX selected for type test to clauses : 4.1 – Glove design and construction – General, 4.2 – Innocuousness, 5.1 – Sizing and measurement of glove, 5.2 – Dexterity. Result : Passed.
2022CE1571	07/07/2022	CHEMICAL & CONSUMER SECTION (CEST) SIRIM QAS INTERNATIONAL SDN. BHD	Type Test Report	Pass	Sample 520WSWG128NSX selected for type test to clauses : 4.1 – Glove design and construction – General, 4.2 – Innocuousness, 5.1 – Sizing and measurement of glove, 5.2 – Dexterity. Result : Passed.
2022CE1572	07/07/2022	CHEMICAL & CONSUMER SECTION (CEST) SIRIM QAS INTERNATIONAL SDN. BHD	Type Test Report	Pass	Sample 510WSWG37715SX selected for type test to clauses : 4.1 – Glove design and construction – General, 4.2 – Innocuousness, 5.1 – Sizing and measurement of glove, 5.2 – Dexterity. Result : Passed.
2022CE1573	07/07/2022	CHEMICAL & CONSUMER SECTION (CEST) SIRIM QAS INTERNATIONAL SDN. BHD	Type Test Report	Pass	Sample 510WSWGN29530SX selected for type test to clauses : 4.1 – Glove design and construction – General, 4.2 – Innocuousness, 5.1 – Sizing and measurement of glove, 5.2 – Dexterity. Result : Passed.

2022CE1574	07/07/2022	CHEMICAL & CONSUMER SECTION (CEST) SIRIM QAS INTERNATIONAL SDN. BHD	Type Test Report	Pass	Sample 510WSWGPU3003 selected for type test to clauses : 4.1 – Glove design and construction – General, 4.2 – Innocuousness, 5.1 – Sizing and measurement of glove, 5.2 – Dexterity. Result : Passed.
2022CE1575	07/07/2022	CHEMICAL & CONSUMER SECTION (CEST) SIRIM QAS INTERNATIONAL SDN. BHD	Type Test Report	Pass	Sample 510WSWGN600 selected for type test to clauses : 4.1 – Glove design and construction – General, 4.2 – Innocuousness, 5.1 – Sizing and measurement of glove, 5.2 – Dexterity. Result : Passed.
2022CE1576	07/07/2022	CHEMICAL & CONSUMER SECTION (CEST) SIRIM QAS INTERNATIONAL SDN. BHD	Type Test Report	Pass	Sample 510WSWGN600IMP selected for type test to clauses : 4.1 – Glove design and construction – General, 4.2 – Innocuousness, 5.1 – Sizing and measurement of glove, 5.2 – Dexterity. Result : Passed.

Part C: Product Marking

All Certified products shall be clearly, legibly and indelibly marked as followed:

- On the Product : Printing on the gloves
Method of Marking : (i) Manufacturer's identification mark, i.e. WORKsafe (ii) Name and full address of manufacturer/authorized representatives (iii) Glove designation e.g. 510WSWG186SX (iv) Size designation e.g. M, L, XL (v) Pictogram(s) shall be as specified in annex c (BS EN ISO 21420: 2020), each pictogram shall be accompanied by the reference of the applicable specific standard and performance level. (vi) The number and year of this standard, i.e. BS EN ISO 21420 : 2020
- On the Packaging : (i) Manufacturer's identification mark, i.e. WORKsafe
(ii) Name and full address of manufacturer/authorized representatives
(iii) Glove designation e.g. 510WSWG186SX
(iv) Size designation e.g. M, L, XL
(v) Pictogram(s) shall be as specified in annex c (BS EN ISO 21420: 2020), each pictogram shall be accompanied by the reference of the applicable specific standard and performance level.
(vi) The number and year of this standard, i.e. BS EN ISO 21420 : 2020
(vii) Production date or Lot no.
(viii) SIRIM Certification mark, Please refer to PART I for details
- Method of Marking : Printing on packaging

Label Type	Label Location
MS	On the product

Part D: Surveillance Programme

1. Surveillance inspection shall be conducted 2 time(s) yearly.
2. Surveillance test

During the surveillance inspection, routine testing shall be conducted and witnessed by the certification executive. When it is not possible to witness all clauses (due to longtime testing), the certification executive may witness part of the routine test.

The tests involved are (as indicated in the QC Check Points).

As per clause in ISO 21420: 2020:

- i) 5.1 - Sizing and measurement of gloves

As per clause in BS EN 388: 2016 +A1: 2018:

- ii) 6.2 - Blade cut resistance
- iii) 6.4 - Tear resistance

For these tests, the sample shall be selected by the certification executive.

3. Re-evaluation test

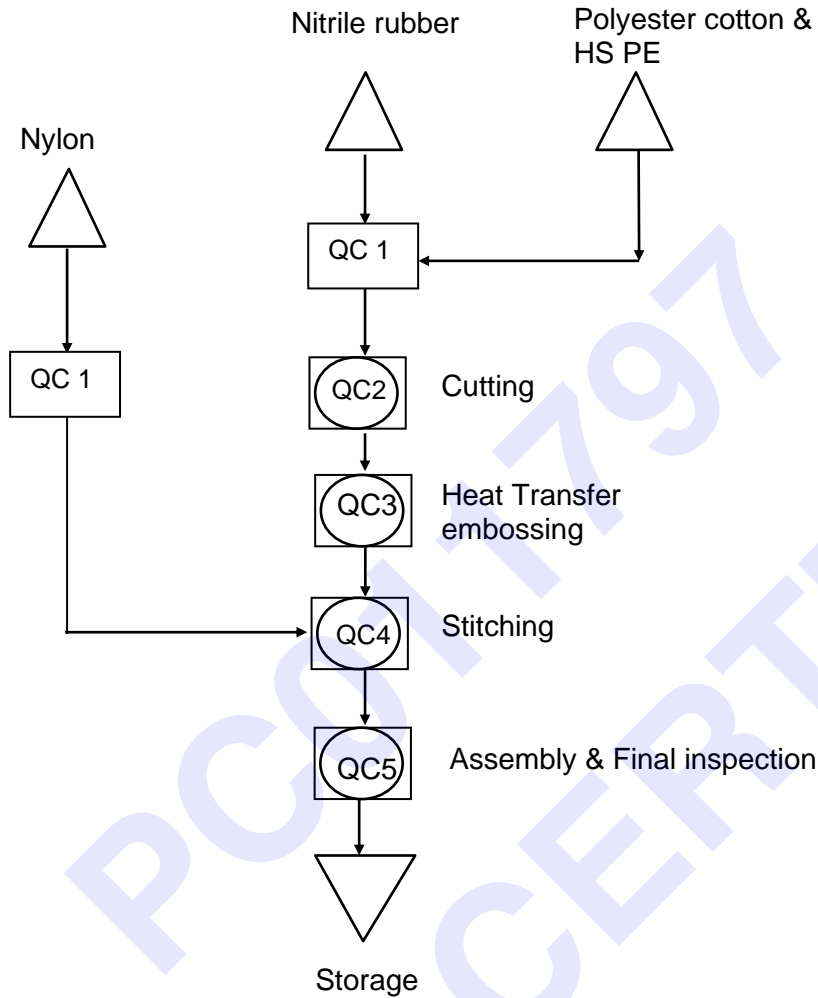
A type test shall be conducted every 5 years on the model appeared on the licence. A full type test is also required when there is significant change in the product design, raw material used and/or production facilities.

4. Full type test shall be conducted at any of the following:
 - a. The licensee's facility (when it has been certified acceptable to SIRIM QAS International Sdn Bhd) witnessed by the project officer/competent personnel from SIRIM QAS International Sdn Bhd.
 - b. Third party laboratories acceptable to SIRIM QAS International Sdn Bhd.
 - c. SIRIM QAS International Sdn Bhd testing laboratories.

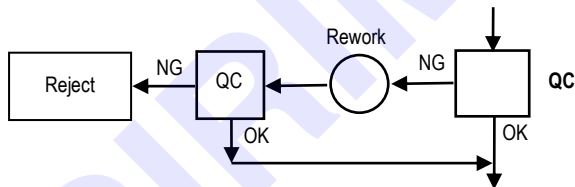
Part E: Component, Materials & Specifications

ITEM	TYPE / GRADE	SUPPLIER
NITRILE RUBBER	1) Viscosity(25°C) : 37mpa.(10-70mpa) 2) Solid content:44.6%(44.0±1%) 3) PH: 8(8.0-9.0)	Shanghai Qiangsheng Chemical industry
HIGH STRENGTH POLYETHELENE	1) Size:400D PE 2) Fiber branch : 21.95S(22±1S)	Jiangsu Jiujiujiu Technology Co., Ltd.
POLYESTER COTTON	1) Size: T22 yellow 2) Fiber branch: 21.95S(22±1S) 3) Polyester content:100% 4) Twist:69(58~72) 5) Moisture regain: 0.3(<0.4)	Jiangyin Xialing Co., Ltd.
NYLON	1) Size: 140D Black 2) 100 meters weight: 1.559g(1.55±0.05g)	Jiaxing Huaijng Chemical fiber Co., Ltd.

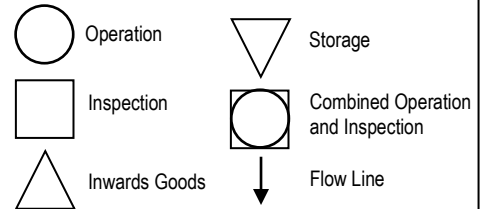
Part F: Process Flow Chart



Note: For all In-Process QC, the rework flow (unless otherwise stated) is as follow; e.g.



LEGEND



Part G: QC Checkpoint

QC NO.	ITEM INSPECTED	TEST/INSPECTION	FREQUENCY
QC 1	Synthetic rubber Fabric Thread	1) Appearance check by Visual 2) Verify COA 1) Appearance check by visual 2) Verify COA 1) Appearance check by visual 2) Verify COA	Every incoming
QC 2	Cutting	1. Wrist width 2. Length 3. Total length	100%
QC 3	Embossing	Visual inspection	100%
QC 4	Stitching	Visual inspection	100%
QC 5	Glove	1. Visual inspection* 2. Dimension* 3. Abrasion resistance* 4. Blade cut resistance* 5. Tear resistance*	Every lot
(*) Routine Test to be conducted by licensee and to be witnessed by SIRIM QAS Intl. project officer during surveillance inspection			

Part H: Test Equipment

NO.	EQUIPMENT	RANGE AND CALIBRATED PARAMETER	FREQUENCY
1.	Weighing scale	Weight, 0 - 60, kg	Yearly
2.	Blade cut test machine	Force, 0 – 4.65, N	Yearly
3.	Weight balance	Weight, 0 - 310, g	Yearly
4.	Tensile test machine	Force, 0 - 500, N	Yearly
5.	Temperature indicator	Temperature, 0 - 200, °C	Yearly
6.	pH meter	pH value, 4 - 10, pH	Yearly
7.	Dial thickness gauge	Length, 0 - 4, mm	Yearly
8.	Steel ruler	Length, 0 - 300, mm	Yearly
9.	Water Leak Tester	Liter, 0 – 1000, ml	Yearly

Part I : Example Of Marking

1. Examples of SIRIM Certification Mark;



or



SIRIM

Certified to BS EN ISO 21420: 2020
Certification No.: PCXXXXXX *

SIRIM

BS EN ISO 21420: 2020
PCXXXXXX *

* Note: Please refer to the number printed on the license

2. Logo associated with trademark;



Part H: Product Photo

MODEL NAME	PRODUCT PHOTO	LEVEL OF PERFORMANCE
510WSWG186SX		Finger dexterity: Level 5
510WSWGN800SX		Finger dexterity: Level 5
510WSWGNF1001SX		Finger dexterity: Level 5

<p>520WSWG112GS10</p>	 <p>520WSWG112GS10</p>	<p>Finger dexterity: Level 5</p>
<p>520WSWG125YSX</p>	 <p>520WSWG125YSX</p>	<p>Finger dexterity: Level 5</p>
<p>520WSWG128NSX</p>	 <p>520WSWG128NSX</p>	<p>Finger dexterity: Level 5</p>

510WSWG37715SX	 <p>510WSWG37715SX</p>	Finger dexterity: Level 5
510WSWGN29530SX	 <p>510WSWGN29530SX</p>	Finger dexterity: Level 5
510WSWGPU3003	 <p>510WSWGPU3003</p>	Finger dexterity: Level 5

<p>510WSWGN600</p>	 <p>510WSWGN600</p>	<p>Finger dexterity: Level 5</p>
<p>510WAWGN6001MP</p>	 <p>510WSWGN600IMP</p>	<p>Finger dexterity: Level 5</p>