

Chlorinated PowderFree
Nitrile Examination Gloves
TF 005

Attachment 2

DECLARATION OF CONFORMITY

Plant of Manufacture : COMFORT RUBBER GLOVES INDUSTRIES SDN BHD

Lot 821 & 2209, Jalan Matang,
34750 Matang, Perak,
Malaysia.

Lot 1874, Jalan Kampung Dew,
Simpang Halt,
34700 Simpang,
Taiping, Perak,
Malaysia.

Contact Person : Mr. Ng Kok Howe
Telephone Number : 605-847 2777 / 2888
Facsimile No. : 605-847 9108 / 6250
Position : QA & QMS Manager
(Quality Management Representative)
E-mail : garyng@comfort-rubber.com.my

Competent Authority : SGS United Kingdom Ltd Systems & Services Certification
Certificate No. : MY09/77229

Product : Chlorinated PowderFree Nitrile Examination Gloves.

Classification : Class 1

Conformity Assessment Route : Rule 1

Intended Use : It is a disposable device intended for medical purpose that is worn on the examiner's hands to prevent contamination between patient and examiner.

Hereby declare that product described as Chlorinated PowderFree Nitrile Examination Gloves is in conformity with the provision of Regulation (EU) 2017/745 of The European Parliament and of The Council (Non-Invasive Devices – Rule 1). Where such is the case, with the national standard transposing harmonized standard Nos. EN 455-1, EN 455-2, EN 455-3 and EN 455-4.

Signed :



Name : Ng Kok Howe
Position : QA Manager
Date : 25 October 2019

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Competent Authority : SGS United Kingdom Ltd Systems & Services Certification
Certificate No. : MY09/77230

Product : Powder Free Natural Rubber and Nitrile Examination Gloves.

PPE Classification : Category III

Conformity Assessment Route : Module D

Intended Use : The Personal Protective Equipment glove is designed to be worn or held by an individual for protection against one or more health and safety hazards.

We herewith declare that the above mentioned products meet the provisions of the Personal Protective Equipment (PPE) by the Regulation (EU) 2016/425 of The European Parliament and Of The Council for Personal Protective Equipment. All supporting documentation is retained under the premises of the manufacturers.

Standards Applied : EN 16523-1:2015 - Determination of material resistance to permeation by chemicals. Permeation by liquid chemical through a protective clothing material
EN 374-Part 2:2003 - Protective gloves against chemicals and micro-organisms. Determination of resistance to penetration
EN-374-part 3:2003 - Protective gloves against chemicals and micro-organisms. Determination of resistance to permeation by chemicals



ComfortRubberGloves

EN 374-4:2013 - Protective gloves against chemicals and micro-organisms.
Determination of resistance to degradation by chemicals

EN 14362-1 – Arylamines coming from prohibited azo dyes in textiles, EN
374-2 (2014) – Determination of resistance of water leak and air leak

EN 420 - Protective gloves - General requirements and test methods

EN 388:2016 - Protective gloves against mechanical risks

ISO 374-5:2016 - Protective Gloves Against Dangerous Chemicals And
Micro-Organisms - Part 5: Terminology And Performance Requirements
For Micro-Organisms Risks

Signed

:

Name

:

Ng Kok Howe

Position

:

QA Manager

Date

:

21st May 2020



SATRA Technology Centre Ltd
Wyndham Way, Telford Way, Kettering,
Northamptonshire, NN16 8SD United Kingdom
Tel: +44 (0) 1536 410000
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email: info@satra.com
www.satra.com

Customer details: Comfort Rubber Gloves Industries Sdn.Bhd SATRA reference: CHM0292515/1948/LC
Lot 821 /B

Jalan Matang
34750 Matang
Perak
Malaysia

Your reference:

Date of report: 20th January 2020

Samples received: 21st November 2019

Date(s) work carried out: 9th to 10th January 2020

TECHNICAL REPORT

Subject:

EN 374-4:2019 determination of resistance to degradation by chemicals on gloves described as Nitrile Powder Free Examination Gloves PFNBR244.

Conditions of Issue:

This report may be forwarded to other parties provided that it is not changed in any way. It must not be published, for example by including it in advertisements, without the prior, written permission of SATRA.

Results given in this report refer only to the samples submitted for analysis and tested by SATRA. Comments are for guidance only.

A satisfactory test report in no way implies that the product tested is approved by SATRA and no warranty is given as to the performance of the product tested. SATRA shall not be liable for any subsequent loss or damage incurred by the client as a result of information supplied in the report.

The uncertainty of the results (UoM) in this report is based on a standard uncertainty multiplied by a coverage factor $k=2$, which provides a coverage probability of approximately 95%.

Report signed by: Lucy Cove
Position: Technologist
Department: Chemical & Analytical Technology

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WORK REQUESTED:

Samples of gloves described as Nitrile Powder Free Examination Gloves PFNBR244 were received on the 21st November 2019 for testing in accordance with EN 374-4:2019.

SAMPLE SUBMITTED:



Samples described as Nitrile Powder Free Examination Gloves PFNBR244

CONCLUSION:

When assessed in accordance with EN 374-4:2019 the samples of gloves described as Nitrile Powder Free Examination Gloves PFNBR244 achieved the following degradation results:

Chemical	Mean degradation / %
99% Acetic acid (CAS: 64-19-7)	91.7
37% Formaldehyde (CAS: 50-00-0)	-13.7
30% Hydrogen peroxide (CAS: 7722-84-1)	3.2
n-Heptane (CAS: 142-82-5)	52.9
96% Sulphuric acid (CAS: 7664-93-9)	100.0
40% Sodium hydroxide (CAS: 1310-73-2)	-24.6

TESTING REQUIRED:

- EN 374-4:2019. Protective gloves against chemicals and micro-organisms. Part 4: Determination of resistance to degradation by chemicals.

RESULTS:

Sample description:	Nitrile Powder Free Examination Gloves PFNBR244		
Challenge chemical:	99% Acetic acid (CAS: 64-19-7)		
Test temperature / °C:	(23 ± 1)		
Degradation / %:	Glove 1	Glove 2	Glove 3
	91.6	91.9	91.8
Mean degradation (DR) / %:	91.7		
Standard deviation (σ_{DR}) / %:	<1		
UoM / ± %:	56.0		
Appearance of samples after testing:	Swollen		

Sample description:	Nitrile Powder Free Examination Gloves PFNBR244		
Challenge chemical:	37% Formaldehyde (CAS: 50-00-0)		
Test temperature / °C:	(23 ± 1)		
Degradation / %:	Glove 1	Glove 2	Glove 3
	-36.4	-5.2	0.4
Mean degradation (DR) / %:	-13.7		
Standard deviation (σ_{DR}) / %:	19.8		
UoM / ± %:	7.7		
Appearance of samples after testing:	Swollen		

Sample description:	Nitrile Powder Free Examination Gloves PFNBR244		
Challenge chemical:	30% Hydrogen peroxide (CAS: 7722-84-1)		
Test temperature / °C:	(23 ± 1)		
Degradation / %:	Glove 1	Glove 2	Glove 3
	10.2	-9.0	8.4
Mean degradation (DR) / %:	3.2		
Standard deviation (σ_{DR}) / %:	10.6		
UoM / ± %:	8.0		
Appearance of samples after testing:	Swollen		

Sample description:	Nitrile Powder Free Examination Gloves PFNBR244		
Challenge chemical:	n-Heptane (CAS: 142-82-5)		
Test temperature / °C:	(23 ± 1)		
Degradation / %:	Glove 1	Glove 2	Glove 3
	44.0	54.9	59.8
Mean degradation (DR) / %:	52.9		
Standard deviation (σ_{DR}) / %:	8.1		
UoM / ± %:	11.8		
Appearance of samples after testing:	Swollen		

Sample description:	Nitrile Powder Free Examination Gloves PFNBR244		
Challenge chemical:	96% Sulphuric acid (CAS: 7664-93-9)		
Test temperature / °C:	(23 ± 1)		
Degradation / %:	Glove 1	Glove 2	Glove 3
	100.0	100.0	100.0
Mean degradation (DR) / %:	100.0		
Standard deviation (σ_{DR}) / %:	N/A		
UoM / ± %:	N/A		
Appearance of samples after testing:	Disintegrated		

Sample description:	Nitrile Powder Free Examination Gloves PFNBR244		
Challenge chemical:	40% Sodium hydroxide (CAS: 1310-73-2)		
Test temperature / °C:	(23 ± 1)		
Degradation / %:	Glove 1	Glove 2	Glove 3
	-35.9	-22.5	-15.4
Mean degradation (DR) / %:	-24.6		
Standard deviation (σ_{DR}) / %:	10.4		
UoM / ± %:	7.5		
Appearance of samples after testing:	Swollen		

NOTE: Where the test specimens gave an increased puncture force after chemical exposure, the result is reported as a negative degradation.

TERMS AND CONDITIONS FOR THE SALE OF GOODS AND/OR THE PROVISION OF SERVICES

1. GENERAL

- 1.1 Work done, Services undertaken or the sale of Goods are subject to the terms and conditions detailed below and (subject to clause 5.2) all other conditions, warranties and representations, expressed or implied by statute relating thereto are hereby excluded.
- 1.2 SATRA Technology Centre Limited, its subsidiaries and associated companies (hereinafter referred to as "SATRA") may perform Services for or supply Goods to persons or entities (public, private or governmental) issuing instructions (hereinafter termed the "Client"). Each also known individually as a Party, or jointly as Parties.
- 1.3 These terms and conditions will apply to the Contract between SATRA and the Client to the exclusion of any other terms which the Client may seek to impose or which may be implied by trade, custom, practice or course of dealing
- 1.4 Unless otherwise agreed in writing no party other than the Client is entitled to provide instructions or information relating to the Goods or Services required or to the delivery of goods, results, reports or certificates.
- 1.5 All references in these terms and conditions to:
 - (a) the "Contract" is the contract between SATRA and the Client for the supply of Goods or Services which is made subject to these terms and conditions; and
 - (b) "Services" are the work or services to be supplied or performed under the Contract (including where relevant the supply of software, components and consumables); and
 - (c) "Goods" are the equipment, consumables or other physical items sold under the Contract (including documents, drawings or other information required in order to operate the equipment).
- 1.6 All drawings, descriptive matter, specifications and advertising material (including brochures and catalogues) are issued or published with the sole purpose of giving an indication of the goods or services being described and shall not form part of the Contract.
- 1.7 Where SATRA and the Client agree that the sale of Goods shall be governed by Incoterms 2010 (or any subsequent revision thereto) then the sale shall be governed by the relevant Incoterms mode of transport which is agreed by SATRA and the Client.

2. FEES AND PAYMENT

- 2.1 Where SATRA has agreed to perform the Services or supply the Goods on the basis of credit then payment terms are net 21 days from date of invoice, unless otherwise specified and may require part payment prior to delivery of the Services or Goods. In the event of the Client failing to make payment as agreed SATRA will be entitled to withhold delivery of the Goods or Services or cancel the Contract. SATRA reserves the right to charge interest on any overdue payments at a rate of 1.5% per month accruing on a daily basis from the date the invoice is due until the date payment is received.
- 2.2 Where the provision of Services or the sale of Goods is subject to a proforma invoice then SATRA shall not be obliged to start working on the provision of the Goods or Services until after payment in full has been made as cleared funds to SATRA.
- 2.3 SATRA reserves the right to charge for any and all expenses incurred as a result of performing the Services required by the Client. Although SATRA will try and provide an estimate of such expenses these may change as a result of circumstances out of SATRA's control.
- 2.4 Unless otherwise agreed in writing, the price for the Goods or Services shall be the price set in the order acknowledgement. SATRA shall not be bound by any price quoted which is not in writing. Prices for the sale of Goods include packing cases and materials but not carriage or installation which will be quoted separately and as agreed with the Client.
- 2.5 Quotations are valid from the date of issue for a period of 90 days unless otherwise specified or agreed in writing.
- 2.6 Should the Client become insolvent, bankrupt, subject to an administration order, enter into liquidation or receivership, or make arrangements with creditors SATRA reserves the right to cancel the Contract and terminate the supply of the Goods or Services. Where the Contract with SATRA is terminated all outstanding monies due from the Client to SATRA shall be immediately payable, and any materials supplied by SATRA to the Client returned. Termination of the Contract shall be without prejudice to any of SATRA's accrued rights.
- 2.7 All invoices issued by SATRA are payable in full. The Client is responsible for payment of withholding and any other taxes and all import duties. Payments made to SATRA shall not be reduced by such amounts.
- 2.8 The Client shall not be entitled to withhold or defer payment due to SATRA as a result of any dispute or counter claim that it may allege against SATRA.
- 2.9 SATRA reserves the right to bring action against the Client in order to collect unpaid fees, including court action. All fees associated with such actions shall be paid for by the Client including legal fees and related costs.
- 2.10 Where unforeseen costs arise as a result of provision of the Goods or carrying out the Services SATRA shall inform the Client immediately but reserves the right to charge additional costs to cover said costs and expenses.

3. INTELLECTUAL PROPERTY RIGHTS

- 3.1 All intellectual property rights belonging to a Party prior to entry into the Contract shall remain with that Party. Nothing in this Contract shall allow transfer of any intellectual property rights from one Party to the other.
- 3.2 In the event of certification services the use of certification marks by the Client may be subject to national and international laws and regulations. The responsibility for the use of these certification marks lies solely with the Client.
- 3.3 All intellectual property rights in reports, drawings, graphs, charts, photographs or any other material (in whatever medium) produced by SATRA pursuant to this Contract shall belong to SATRA. The Client shall have the right to use said material in accordance with the terms of this Contract.
- 3.4 The Client agrees and acknowledges that SATRA retains any and all proprietary rights in concepts, ideas and inventions that may arise during the preparation or provision of any report (including any deliverables provided by SATRA to the Client) and the provision of the Services to the Client.
- 3.5 All intellectual property rights in any software supplied to the Client shall belong to SATRA or SATRA's licensors. With respect to the sale of SATRA Timeline, SATRASUMM and SATRA Visionsitch, provided that the Client is a member of SATRA and has paid its annual Smartcare fee then the Client will be entitled to use the software for its own internal use and will be entitled to receive minor software upgrades and fixes. SATRA may however terminate the supply of software upgrades and fixes for older versions of software which it no longer considers viable to support. The Client's rights to use the software and receive software upgrades and fixes will terminate if the Client has not paid its annual Smartcare fee. Major upgrades are not included within the entitlement to upgrades but may be offered by SATRA from time to time for an additional fee.
- 3.6 SATRA shall observe all statutory provisions with regard to data protection including but not limited to the provisions of the Data Protection Act 2018 and the EU General Data Protection Regulation (GDPR) Regulation (EU) 2016/679. To the extent that SATRA processes or gets access to personal data in connection with the Services or otherwise in connection with this Contract, it shall take all reasonable technical and organisational measures to ensure the security of such data (and guard against unauthorised or unlawful processing, accidental loss, destruction or damage to such data).

4. SUSPENSION OR TERMINATION OF SERVICES

- 4.1 Cancellation by the Client of orders for Goods or Services will only be acceptable by prior agreement with SATRA and a charge will usually be made.
- 4.2 SATRA shall not be liable for any delay or failure in providing the Goods or Services due to circumstances beyond its reasonable control (including any failure by the Client to comply with its obligations). If any such circumstances arise which prevent SATRA from delivering the Goods or completing the Services, then SATRA will be entitled to cancel or reschedule the delivery of Goods or Services at its discretion. In the event of cancellation SATRA will be entitled to retain all fees paid by the Client for Goods or Services already supplied but will refund to the Client any fees paid by the Client for Goods or Services which have not yet been supplied. The Client will not be liable for any non-refundable expenses already incurred by SATRA in relation to Goods or Services not yet supplied unless the cancellation is due to the Client's failure to comply with its obligations under the Contract.

5. LIABILITY AND INDEMNIFICATION

- 5.1 Reports are issued on the basis of information, documents and/or samples submitted to SATRA by the Client, or on behalf of the Client and are provided solely for the benefit of the Client who is responsible for acting as it sees fit on the basis of such reports and findings. Subject to clause 5.2, neither SATRA nor any of its employees, agents or subcontractors shall be liable to the Client or any third party for any actions taken or not taken on the basis of such findings and reports, nor for any incorrect results arising as a result of unclear, erroneous, incomplete, misleading or false information provided to SATRA.
- 5.2 Nothing in these terms and conditions shall limit or exclude SATRA's liability for:
 - (a) death or personal injury caused by its negligence or the negligence of its employees or agents;
 - (b) fraud or fraudulent misrepresentation;
 - (c) breach of the terms implied by Section 12 of the Sale of Goods Act 1979;
 - (d) defective products under the Consumer Protection Act 1987; or
 - (e) any other liability which cannot be limited or excluded by applicable law.
- 5.3 Subject to clause 5.2 SATRA shall not be liable to the Client whether in contract, tort (including negligence), breach of statutory duty or otherwise arising under or in connection with the Contract for loss of profits, sales, contracts, anticipated savings, loss or damage to goodwill or any indirect or consequential loss.
- 5.4 Subject to clause 5.2 SATRA's total aggregate liability to the Client, whether in contract, tort (including negligence), breach of statutory duty or otherwise arising under or in connection with the Contract shall be limited to the total amount of fees for the Services or the price of the Goods (excluding any value added tax or other sales tax or expenses) payable by the Client to SATRA under the Contract or £100,000 whichever is the lower figure.

6. MISCELLANEOUS

- 6.1 If any one or more provisions of these conditions are found to be illegal or unenforceable in any respect, the validity, legality and enforceability of the remaining provisions shall not in any way be affected or impaired thereby.
- 6.2 During the course of providing the Goods or Services and for a period of one year thereafter the Client shall not directly or indirectly entice, encourage or make any offer to SATRA's employees to leave their employment with SATRA.
- 6.3 The use of SATRA's corporate name or registered marks for advertising purposes is not permitted without SATRA's prior written authorisation.
- 6.4 All reports and documentation which are supplied to the Client under the Contract remain the property of SATRA until paid in full. Under no circumstances will a Client's purchase order override SATRA's retention of title in accordance with this clause.
- 6.5 The Client acknowledges that in entering into this Contract it has not relied on any representation, warranty, collateral contract or other assurance (except those set out or referred to in these terms and conditions) made by or on behalf of SATRA or any other party before entering into the Contract. The Client waives all rights and remedies that, but for this clause, might otherwise be available to it in respect of any such representation, warranty, collateral contract or other assurance.
- 6.6 All provisions of the Contract that limit or exclude the liability of SATRA are intended also to be for the benefit of SATRA's holding company (called SATRA, and being a company limited by guarantee and incorporated in England and Wales with company number 00153475), and shall accordingly be enforceable by such holding company as well as or instead of by SATRA, and on the basis that any limit on the liability of SATRA shall apply to it and to such holding company in the aggregate.

7. CONFIDENTIALITY

- 7.1 Unless specifically excluded in the terms of an individual contract between SATRA and the Client, the following shall apply to all deliverables including, reports, advice, drawings, photographs, specifications, data or other forms of media.
 - 7.2 Deliverables referred to in clause 7.1 shall not be disclosed to third parties or used in litigation without the consent of SATRA.
 - 7.3 Where SATRA has given consent to disclosure of any service deliverables referred to in clause 7.1, the Client shall draw the attention of the third party to these terms of business and the basis on which SATRA undertakes testing, reporting and advising. The Client shall indemnify SATRA for any failure to do so.
 - 7.4 The service deliverables referred to in clause 7.1 are submitted to the Client as confidential documents. Confidentiality shall continue to apply after completion of the business, but shall cease to apply to information or knowledge which has come into the public domain through no breach of this Contract by the Client.
 - 7.5 The Client shall not disassemble, remove parts or carry out any form of analysis on goods or materials sold by SATRA for the purposes of reverse engineering or obtaining information on the construction, content or composition of the item without the consent of SATRA.

8. AMENDMENT

- 8.1 No amendment to this Contract shall be effective unless it is in writing, expressly stated to amend this Contract and signed by an authorised signatory of both Parties.

9. DISPUTE RESOLUTION

- 9.1 If there should be a dispute between the parties to this Agreement they undertake to act with goodwill and to use all reasonable endeavours to resolve that dispute.
- 9.2 Failure to resolve any dispute by discussions between the parties shall, in the first instance, be referred to a mediator for resolution. The parties shall attempt to agree upon the appointment of a mediator, upon receipt, by either of them, of a written notice to concur in such appointment. Should the parties fail to agree within 21 days, either party, upon giving written notice, may apply to the President or the Vice President, for the time being, of the Chartered Institute of Arbitrators, for the appointment of a mediator.
- 9.3 Should the mediation fail, in whole or in part, either party may, upon giving written notice, and within twenty-eight days thereof, apply to the President or the Vice President, for the time being, of the Chartered Institute of Arbitrators, for the appointment of a single arbitrator, for final resolution. The arbitrator shall have no connection with the mediator or the mediation proceedings, unless both parties have consented in writing. The arbitration shall be governed by both the Arbitration Act 1996 and the Controlled Cost Rules of the

TERMS AND CONDITIONS FOR THE SALE OF GOODS AND/OR THE PROVISION OF SERVICES

- Chartered Institute of Arbitrators (2000 Edition), or any amendments thereof, which Rules are deemed to be incorporated by reference into this clause. The seat of the arbitration shall be England and Wales.
- 9.4 The laws of England shall govern the interpretation of this Contract. Subject to clauses 9.1, 9.2 and 9.3 any dispute arising out of or in connection with the Contract shall be subject to the exclusive jurisdiction of the courts of England. However, the Party obtaining a judgement in such courts shall be entitled to enforce it in any court it chooses.
- 10. PROVISION OF SERVICES**
- 10.1 SATRA shall provide Services using reasonable care and skill and in accordance with the Clients specific instructions and as confirmed by SATRA as part of the Contract review process.
- 10.2 Estimates for completion of the Services are made in good faith and date from receipt of a written order, payment of a proforma invoice if required, full information and samples to enable SATRA to proceed. While SATRA will make every effort to fulfil them, such estimates are subject to unforeseen events and if not achieved, cannot give rise to any claim. Time will not be of the essence in relation to the performance of the Services.
- 10.3 Results given in test reports or certificates refer only to samples submitted for analysis to SATRA. A satisfactory test report in no way implies that the product tested is approved by SATRA and no warranty is given as to the performance of the product tested.
- 10.4 SATRA may delegate all or part of the Services to a subcontractor and the Client authorises SATRA to disclose all information required to undertake the Services.
- 10.5 Where the Client requests SATRA to witness testing of other services being undertaken by a third party the Client agrees that SATRA's sole responsibility is to be present at the time of the work and to forward the results or confirm that the service has been undertaken. The Client agrees that unless otherwise agreed SATRA is not responsible for the condition or calibration of any equipment unless provided by SATRA.
- 10.6 Unless otherwise agreed in advance, test samples will be retained for 6 weeks from the date of the final report after which time they will be disposed of and SATRA shall cease to have any responsibility for such samples.
- Where the nature of the samples or the Services undertaken results in specialist disposal then SATRA reserves the right to pass the cost of such disposal onto the Client. Storage for longer periods may be possible only if agreed in advance and may incur a storage charge payable by the Client.
- Where practical and agreed in advance, samples may be returned at the Client's expense. However, samples are in most instances partially or fully destroyed as part of the work undertaken and SATRA cannot guarantee that samples will be returned in an "as new" condition.
- 10.7 Where SATRA receives documents reflecting engagements between the Client and third parties or documents belonging to third parties, such documents shall be considered as being for information only and shall not release the Client from any or all obligations to SATRA.
- 10.8 SATRA reserves the right to make changes to the Services, provided that such changes do not materially affect the nature or quality of the provision of these Services or where they are necessary in order to ensure that any applicable laws or safety requirements are complied with.
- 10.9 The Client acknowledges that SATRA by providing the Services, neither takes the place of the Client or any third party or releases them from any of their obligations.
- 11. CLIENT RESPONSIBILITIES RELATING TO THE PROVISION OF SERVICES**
- 11.1 The Client shall provide sufficient samples, information, instructions and documents as required to enable SATRA to carry out the Services in accordance with the methods, standards or other specifications as agreed.
- 11.2 Where applicable the Client shall allow access by members of SATRA staff to such premises where the Services are to be performed and provide any specialist equipment and personnel.
- 11.3 The Client shall inform SATRA in advance of any known hazards, dangers or other safety matters relating to samples submitted to SATRA or on site visits made by SATRA.
- 11.4 Where the Client fails to comply with any of its responsibilities SATRA reserves the right to suspend any Services until such time as the Client has complied and may require the Client to reimburse SATRA the amount of any additional costs arising from the suspension.
- 12. DELIVERY AND NON-DELIVERY OF GOODS**
- 12.1 Delivery dates for the supply of the Goods are approximate only and not guaranteed. Time of delivery is not of the essence of the Contract and SATRA shall not be liable for any delay in delivery of Goods.
- 12.2 Should expedited delivery be requested and agreed, SATRA shall be entitled to make additional charges to cover overtime or any other additional costs.
- 12.3 Delivery of the Goods shall take place at such location as SATRA and the Client agree. If the Client agrees to collect the Goods from SATRA's premises, then delivery will take place at those premises in which case the consignment of Goods as recorded by SATRA upon dispatch shall be evidence of the Goods received by the Client unless the Client can provide conclusive evidence to the contrary.
- 12.4 SATRA shall not be liable for the non-delivery of Goods (even if caused by SATRA) unless the Client provides written notice of non-delivery in accordance with clause 13.2. Liability for non-delivery of Goods shall in any event be limited to replacing the Goods within a reasonable time frame or the issue of a credit note to the value of the Goods not delivered.
- 12.5 Should delivery of the Goods be suspended or delayed by the Client for any reason SATRA reserves the right to charge for storage and for all expenses incurred, including loss of or wastage of resources that cannot otherwise be used. If the delay extends beyond 30 days SATRA shall be entitled to immediate payment for any Goods that are ready for delivery, and any other additional costs.
- 12.6 If for any reason the Client fails to accept delivery of any of the Goods when they are ready for delivery, or SATRA is unable to deliver the Goods on time because the Client has not provided appropriate instructions, documents, licenses or authorisations then risk in the Goods shall pass to the Client, the Goods and/or Services shall be deemed to have been delivered; and SATRA may store the Goods until delivery, whereupon the Client shall be liable for all related costs and expenses (including, without limitation, storage and insurance).
- 13. RISK/TITLE OF GOODS**
- 13.1 Subject to clause 12.6 the risk in the Goods will transfer to the Client on delivery of the Goods unless SATRA and the Client have agreed that the sale of the Goods will be governed by Incoterms 2010 (or any subsequent revision thereto) in which case risk will transfer to the Client in accordance with the Incoterms mode of transport which is agreed by SATRA and the Client.
- 13.2 The Company shall not accept responsibility for loss or damage in transit unless:
- a) In the case of sales where delivery of Goods is made in the United Kingdom SATRA is notified by the Client within 10 days of the invoice date of non-arrival of Goods and within 3 days of the invoice date of receipt of Goods damaged in transit; or
- b) In all other cases the Client notifies SATRA on the non-arrival or damage in transit within a reasonable period of time as determined by SATRA.
- 13.3 Title to the Goods shall not pass to the Client until the earlier of when: -
- a) SATRA receives payment in full (in cash or cleared funds) for the Goods and any other Goods that SATRA has supplied to the Client in which case title to the Goods shall pass at the time of payment of all such sums; and
- b) the Client resells the Goods in accordance with clause 13.5 in which case title shall pass to the Client immediately before the time at which the resale by the Client occurs.
- 13.4 Until ownership of Goods has passed to the Client, the Client shall:
- a) hold the Goods as SATRA's bailee;
- b) store the Goods (at no cost to SATRA) separately from all other goods belonging to the Client or any third party in such a way that they remain readily identifiable as SATRA's property (including where the Goods have been sold to a 3rd party);
- c) not destroy, deface or obscure any identifying mark or packaging on or relating to the Goods; and
- d) maintain the Goods in satisfactory condition and keep them insured on SATRA's behalf for their full price against all risks to the reasonable satisfaction of SATRA. The Client shall obtain an endorsement of SATRA's interest in the goods on its insurance policy. On request the Client shall allow SATRA to inspect such Goods and shall produce the policy of insurance.
- 13.5 The Client may resell the Goods before ownership has passed to it solely on condition that sale shall be effected in the ordinary course of the Client's business at full market value.
- 13.6 If before title to the Goods passes to the Client, the Client becomes subject to any of the events referred to in clause 2.6 then without limiting any other right or remedy SATRA may have:
- a) the Client's right to resell the Goods or use them in the ordinary course of its business ceases immediately; and
- b) SATRA may at any time require the Client to deliver up all Goods in its possession that have not been resold or irrevocably incorporated into another product; and
- c) if the Client fails to do so promptly SATRA may exercise its rights under clause 13.7.
- 13.7 The Client grants SATRA, its agents and employees an irrevocable licence at any time to enter any premises where the Goods are or may be stored in order to inspect them, or, where the Client's right to possession has terminated, to recover them.
- 13.8 On termination of the Contract, howsoever caused, SATRA's (but not the Client's) rights contained in this clause 13 shall remain in effect.
- 14. PATENTS**
- 14.1 SATRA gives no indemnity against any claim of infringement of Letters Patent, Registered Design, Trade Mark or Copyright by the use of or sale of any article or material supplied to the Client. If its use is impossible without infringement of Letters Patent, Registered Design, Trade Mark or Copyright published at the date of the contract, SATRA will refund to the Client the purchase price of the said article or material provided that it is returned to SATRA free of charge. The Client warrants that any design or instruction furnished or given by the Client shall not be such as will cause SATRA to infringe any Letters Patent, Registered Design, Trade Mark or Copyright in the execution of the Client's order.
- 15. WARRANTY OF GOODS**
- 15.1 SATRA warrants that on delivery and for a period of 12 months from the date of delivery or within the shelf life of the Goods (whichever is the shorter period) the Goods shall be free from defects in design, material and workmanship.
- 16. DEFECTIVE GOODS**
- 16.1 Subject to clauses 16.6 and 16.7 if:
- a) the Client gives notice in writing to SATRA in accordance with clause 16.3 and during the period referred to in clause 15.1 that the Goods do not comply with the warranty in that clause; and
- b) SATRA is given a reasonable opportunity of examining such Goods; and
- c) the Client (if asked to do so by SATRA) returns such Goods to SATRA's place of business then SATRA will, at its option, repair or replace the defective Goods or refund the price of the defective Goods in full. SATRA reserves the right to repair the Goods at the Client's premises.
- 16.2 The Client must inspect all Goods upon delivery. Failure to do so may result in further charges being applied in the event of a return.
- 16.3 If Goods are found to be faulty, defective or damaged the Client must inform SATRA in writing as soon as reasonably possible and in any event within 10 working days of the fault, damage or defect being discovered.
- 16.4 Without prejudice to clause 16.1 if no notice of rejection has been received by SATRA within 3 months of delivery, the Client shall be deemed to have accepted the Goods.
- 16.5 SATRA will pay the reasonable costs of carriage, packaging and insurance for any defective Goods which are returned by the Client provided that SATRA is liable under clause 16.1 to repair or replace the defective Goods. If SATRA determines that the Goods are not defective or if SATRA is not liable to repair or replace the Goods due to the circumstances under clauses 16.6 or 16.7 then the Client will be responsible for the payment of such costs.
- 16.6 SATRA shall not be under any liability to repair or at its option replace or pay for the repair or replacement of any Goods which are found to be defective if:
- a) the defect is caused or substantially caused by wear and tear, overloading, misuse, neglect, modification or attempted modification carried out by any organisation other than by SATRA or their approved agents, or use with ancillary equipment not approved in writing by SATRA, or default in proper maintenance or cleaning; or
- b) the Client authorises or carries out any repair or replacement of any Goods without first affording SATRA a reasonable opportunity to replace or repair them; or
- c) the Client has breached any of the terms of the Contract under which the Goods were supplied; or
- d) the Goods have been manufactured to a design or specification or in compliance with other information provided by the Client and the defect has arisen as a result of that design, specification or information;
- 16.7 Where Goods or parts of Goods are not manufactured by SATRA then SATRA shall be liable for defects only to the extent that SATRA obtains redress from the manufacturer or supplier thereof provided that:
- a) SATRA shall not be obliged to take any step to attempt to obtain such redress except at the request and expense of the Client and upon provision by the Client of a full indemnity as to costs for which SATRA may thereby become liable;
- b) nothing in this condition 16.7 shall have effect as to impose upon SATRA any additional liability or obligations other than those referred to in condition 16.1.
- 16.8 Except as provided in clause 16.1 SATRA shall have no liability to the Client arising from any failure of the Goods to comply with the warranty in clause 15.1.

Test Report No. 7191063861-MEC13/01-CSL
dated 12 Jul 2013



PSB Singapore

Choose certainty.
Add value.

Note: This report is issued subject to the Testing and Certification Regulations of the TÜV SÜD Group and the General Terms and Conditions of Business of TÜV SÜD PSB Pte Ltd. In addition, this report is governed by the terms set out within this report.

SUBJECT:

Testing of Examination Gloves submitted by Comfort Rubber Gloves Industries Sdn. Bhd. on 27 Jun 2013.

TESTED FOR:

Comfort Rubber Gloves Industries Sdn. Bhd.
Lot 821, Jalan Matang,
34750 Matang,
Taiping, Perak Darul Ridzuan,
Malaysia.

Attn: Mr Kwok / Ms Zaleha

TEST DATE:

03 Jul 2012 to 11 Jul 2012

DESCRIPTION OF SAMPLES:

S/N	Product Description	Lot No.	Size	Colour	Sample received (pieces)
1	Non-Sterile, Powder Free Nitrile Examination Gloves	30606S12-L2	M	Dark Blue	495

METHOD OF TEST:

EN 455-1:2000 Medical gloves for single use
Part 1: Requirements and testing for freedom from holes

EN 455-2:2009+A1:2011 Medical gloves for single use
Part 2: Requirements and testing for physical properties



Laboratory:
TÜV SÜD PSB Pte. Ltd.
No.1 Science Park Drive
Singapore 118221

Phone : +65-6885 1333
Fax : +65-6776 8670
E-mail: testing@tuv-sud-psb.sg
www.tuv-sud-psb.sg
Co. Reg : 199002667R

Regional Head Office:
TÜV SÜD Asia Pacific Pte. Ltd.
3 Science Park Drive, #04-01/05
The Franklin, Singapore 118223
TUV®


Test Report No. 7191063861-MEC13/01-CSL
dated 12 Jul 2013




RESULTS:

Sample: Non-Sterile, Powder Free Nitrile Examination Gloves (Size: M) - Lot no. 30606S12-L2

S/N	Tests	Requirement	Number tested (pieces)	Non-compliance allowed (pieces)	Median	Min	Max	Actual no. of non-compliers found	Inferred results
1	Freedom from holes	Shall not leak	315	10	-	-	-	8	Passed
2	Dimension a)Length (mm)	Median Length for size M: ≥ 240	13	-	243	241	248	-	Passed
	b)Width (mm)	Median Width for size M: 95 ± 10	13	-	95	94	96	-	Passed
3	Strength a)Force at break (N)	Median Force at Break for nitrile: ≥ 6.0	13	-	8.0	7.8	8.3	-	Passed
	b)Force at break after challenge testing (N)	Median Force at Break for nitrile: ≥ 6.0	13	-	8.3	7.8	9.0	-	Passed



Yeo Poh Kwang
Higher Associate Engineer



Shareen Chan
Engineer
Mechanical Centre

APPENDIX:



Photo : Non-Sterile, Powder Free Nitrile Examination Gloves (Size: M)
- Lot no. 30606S12-L2



Handwritten signatures

Please note that this Report is issued under the following terms :

1. This report applies to the sample of the specific product/equipment given at the time of its testing/calibration. The results are not used to indicate or imply that they are applicable to other similar items. In addition, such results must not be used to indicate or imply that TÜV SÜD PSB approves, recommends or endorses the manufacturer, supplier or user of such product/equipment, or that TÜV SÜD PSB in any way "guarantees" the later performance of the product/equipment. Unless otherwise stated in this report, no tests were conducted to determine long term effects of using the specific product/equipment.
2. The sample/s mentioned in this report is/are submitted/supplied/manufactured by the Client. TÜV SÜD PSB therefore assumes no responsibility for the accuracy of information on the brand name, model number, origin of manufacture, consignment or any information supplied.
3. Nothing in this report shall be interpreted to mean that TÜV SÜD PSB has verified or ascertained any endorsement or marks from any other testing authority or bodies that may be found on that sample.
4. This report shall not be reproduced wholly or in parts and no reference shall be made by the Client to TÜV SÜD PSB or to the report or results furnished by TÜV SÜD PSB in any advertisements or sales promotion.
5. Unless otherwise stated, the tests were carried out in TÜV SÜD PSB Pte Ltd, No.1 Science Park Drive Singapore 118221.

July 2011



Comfort Rubber Gloves Industries S/B
TENSILE STRENGTH TEST RESULT (EN 455-2)

(UNAGED)

Force @ Break:- Min 6 N

Type of glove: OCF48NBBL
 Lot No. : 00101F304-10
 Off Line Lot No.:
 Size: M-240mm
 Sample: ONLINE
 Tensile Machine Id : P838-M
 Ruler Id : P568-M
 Oven Id :
 Die Cutter Id : P594-M
 Tested Date: 10-01-2020

Test No.	Weight	Width	Specimen area	FAB	Tensile Strength	Elongation
mm	g	mm	mm ²	N	MPa	%
1	4.673	3.000	0.240	8.577	35.736	678
2	4.667	3.000	0.240	7.412	30.884	700
3	4.853	3.000	0.240	7.793	32.471	627
4	4.776	3.000	0.240	7.747	32.279	596
5	4.848	3.000	0.240	8.273	34.470	686
6	4.835	3.000	0.240	8.119	33.830	642
7	4.744	3.000	0.240	8.081	33.670	663
8	4.740	3.000	0.240	7.079	29.495	581
9	4.836	3.000	0.240	7.778	32.408	596
10	4.772	3.000	0.240	8.243	34.345	717
11	4.445	3.000	0.240	7.675	31.980	677
12	4.872	3.000	0.240	7.949	33.119	667
13	4.869	3.000	0.240	6.393	26.637	662
Average	4.764	3.000	0.240	7.778	32.410	653
Median	4.776	3.000	0.240	7.793	32.471	663
SD s-1	0.119	0.000	0.000	0.569	2.372	42
Max.	4.872	3.000	0.240	8.577	35.736	717
Min.	4.445	3.000	0.240	6.393	26.637	581

Tested By: ILLI NAJWA
 (Lab Assistant and above)

Verified By:*Kamal*.....
 (Lab Sr. Supervisor and above)

Comfort Rubber Gloves Industries S/B
TENSILE STRENGTH TEST RESULT (EN 455-2)

(AGED)

Type of glove: OCF48NBBL

Lot No. : 00101F304-10

Force @ Break:- Min 6 N

Off Line Lot No.:

Size;M-240mm

Sample: ONLINE

Tensile Machine Id: P499-M

Oven ID:P191-M

Die Cutter ID:P594-M

Tested Date: 15-1-2020

Test No. mm	Weight g	Width mm	Specimen area mm ²	FAB N	Tensile Strength MPa	Elongation %
1	4.667	3.00	0.240	10.146	42.273	524
2	4.853	3.00	0.240	7.867	32.780	513
3	4.776	3.00	0.240	9.338	38.910	556
4	4.848	3.00	0.240	8.989	37.456	510
5	4.835	3.00	0.240	9.614	40.057	479
6	4.744	3.00	0.240	8.999	37.495	495
7	4.836	3.00	0.240	9.402	39.176	528
8	4.740	3.00	0.240	8.956	37.316	514
9	4.772	3.00	0.240	8.713	36.305	485
10	4.772	3.00	0.240	9.595	39.981	455
11	4.445	3.00	0.240	8.969	37.372	530
12	4.872	3.00	0.240	8.012	33.385	463
13	4.869	3.00	0.240	9.720	40.499	445
Average	4.771	3.00	0.240	9.102	37.923	500
Median	4.776	3.00	0.240	8.999	37.495	510
SD s-1	0.115	0.00	0.000	0.649	2.702	33
Max.	4.872	3.00	0.240	10.146	42.273	556
Min.	4.445	3.00	0.240	7.867	32.780	445

Tested By: ILLI NAJWA

(Lab Assistant and above)

Verified By: Kamal

(Lab Sr. Supervisor and above)



Report no. : **LGM/BTK/UPB/5.10/CP/1911/0251-0253**
Your reference no. : -

November 29, 2019

Comfort Rubber Gloves Industries Sdn. Bhd,
Lot 821, Jalan Matang, 34750 Matang,
Taiping, Perak Darul Ridzuan, Malaysia.

Fax No : 605 8476250

Attn : Sumathi Saravana Sami

ANALYTICAL TEST RESULTS

We report the following results:

Your letter dated 19/11/2019
Date of sample received 22/11/2019
Date of testing 28/11/2019
Subject Powder Content Test
Products Description Powder Free Nitrile Examination Gloves 4.8g (Blue)
Quantity tested 5pcs
Test Method ASTM D6124-11
Size M

No.	Lab. Reference No.	Sample Reference	Residual Powder Content (mg/glove)
2.	0252	Lot No : 90820F10604	0.16

“BERKHIDMAT UNTUK NEGARA”

Ruhida Ab. Rahim
(IKM NO.: A 2542/5226/07)
Research Officer
Malaysian Rubber Board
For Director General

COMFORT RUBBER GLOVES INDUSTRIES SDN. BHD.

INSPECTION DATA SHEET

SAMPLING PLAN - General Inspection Level (G1)

FACTORY : 50'ctd 90 days
 LINE NO. : Lot (1)

DATE : 13-12-17
 SHIFT : MORNING

Sample Plan: General Inspection Level 1 (G1)

AQL	n=50		n=80		n=125		n=200		n=315	
	Acc / Rej	Acc / Rej	Acc / Rej	Acc / Rej	Acc / Rej	Acc / Rej	Acc / Rej	Acc / Rej	Acc / Rej	Acc / Rej
1.0	[1]	[2]	[2]	[3]	[3]	[4]	[5]	[6]	[7]	[8]
1.5	[2]	[3]	[3]	[4]	[5]	[6]	[7]	[8]	[10]	[11]
2.5	[3]	[4]	[5]	[6]	[7]	[8]	[10]	[11]	[14]	[15]
4.0	[5]	[6]	[7]	[8]	[10]	[11]	[14]	[15]	[21]	[22]

MURAMBA
 12/12/17
 OCF40NBPL
 OCF50NBPL

Production Lot Number	<u>70811M2406</u>			Product Type	<u>OCF50NBPL</u>
Production Time	<u>0600</u>				
Size	<u>M</u>				
Sample Size (pcs)	<u>80</u>				

CRITICAL DEFECTS (Accept-0, Reject-1)					
Mixed Size/Mixed Type	/				
Embedded Debris / Insect					
VH/Knocking/Touching					
Torn/Tear					

WATER TEST DEFECTS (AQL 1.0; Accept-3, Reject-4)					
Pinhole Finger	0				
Pinhole Palm	0				
Pinhole Crotch	0				
Pinhole Thumb	0				
Pinhole Wrist/Cuff	0				

MAJOR VISUAL DEFECTS (AQL 4.0; Accept-3, Reject-4)					
Lump > 2 mm ²	/				
Dirt / Stain > 0.5mm ²					
Defective Bead					
Rolled Cuff					
Tacky > 10 mm					
Pinkish					
Sticky Pleat					
Excessive Powder					
Under Cure					
Crack line					
Thin Spot/Thin Layer					
Inverted Finger / Unturned					
Discolor					
Odor					
Others					

MINOR VISUAL DEFECTS (AQL 4.0; Accept-3, Reject-4)					
Lump < 2 mm ²	/				
Dirt < 0.5mm ²					
Defective Bead					
Thin Spot/Thin Layer					
Tacky < 10 mm					
Others					

Total Critical Defects	-				
Total Water Test Defects	-				
Total Major Visual Defects	0				
Total Minor Visual Defects	-				

Critical Result	A	R	A	R	A	R	A	R	A	R	A	R	A	R	A	R	A	R	A	R	
Water Test Result	-	A	R	A	R	A	R	A	R	A	R	A	R	A	R	A	R	A	R	A	R
Major Visual Result	A	R	A	R	A	R	A	R	A	R	A	R	A	R	A	R	A	R	A	R	
Minor Visual Result	A	R	A	R	A	R	A	R	A	R	A	R	A	R	A	R	A	R	A	R	

AQL	<u>0.65</u>				
Disposition	<u>P</u>				
Inspection Time	<u>10:00 am</u>				
Signature	<u>K. Pangala</u>				

* AQL - Acceptance Quality Level A - Accept R - Reject

Verified By: K. Pangala
 Q.A. Leader

COMFORT RUBBER GLOVES IND. SDN. BHD.

Daily Physical Dimension Inspection

Factory: 50'13 90 DAYS

Date: 13-10-17

Line no: L07 (1)

Shift: MORNING

Lot Size: 80 PCS

S2 - AQL: 4.0, n = 13, ACC: 1, REJ: 2

DIMENSION & WEIGHT													
Lot No.	Type	Time	Size	#	Width (mm)	Length (mm)		Thickness (mm)			Avg. 10pcs Weight (g)	Inspected by	Disposition
						1	2	Cuff	Palm	Finger			
705111306	SCFABNBL	0600	M	1	95	J44	J46	0.08	0.09	0.14			<input checked="" type="checkbox"/> Pass
				2	95	J43	J45	0.07	0.09	0.14			
				3	95	J43	J44	0.07	0.09	0.13			
				4	95	J45	J43	0.07	0.09	0.13			
				5	96	J40	J41	0.07	0.09	0.12			
				6	97	J45	J47	0.06	0.08	0.12			
				7	96	J47	J43	0.07	0.09	0.13			
				8	96	J46	J43	0.08	0.09	0.13			
				9	95	J41	J44	0.08	0.09	0.13			
				10	96	J47	J40	0.07	0.09	0.13			
				11	95	J45	J44	0.07	0.09	0.13			
				12	94	J40	J42	0.07	0.09	0.13			
				13	96	J43	J42	0.07	0.10	0.13			
				1								Fail:	
				2								<input type="checkbox"/> Pass	
				3								<input type="checkbox"/> Fail	
				4								<input type="checkbox"/> Fail	
				5								<input type="checkbox"/> Fail	
				6								<input type="checkbox"/> Fail	
				7								<input type="checkbox"/> Fail	
				8								<input type="checkbox"/> Fail	
				9								<input type="checkbox"/> Fail	
				10								<input type="checkbox"/> Fail	
				11								<input type="checkbox"/> Fail	
				12								<input type="checkbox"/> Fail	
				13								<input type="checkbox"/> Fail	

Checked By: R. Panjalai
Q.A Leader

Verified By: [Signature]
Q.A Supervisor

Acknowledged By: [Signature]
Production Supervisor

COMFORT RUBBER GLOVES INDUSTRIES SDN. BHD.

INSPECTION DATA SHEET

SAMPLING PLAN - General Inspection Level (G1)

FACTORY : Soc'ds 90 days
 LINE NO. : LOT (2)

DATE : 13-12-17
 SHIFT : Morning

Sample Plan: General Inspection Level 1 (G1)

AQL	n=50		n=80		n=125		n=200		n=315	
	Acc	Rej	Acc	Rej	Acc	Rej	Acc	Rej	Acc	Rej
1.0	[1]	[2]	[2]	[3]	[3]	[4]	[5]	[6]	[7]	[8]
1.5	[2]	[3]	[3]	[4]	[5]	[6]	[7]	[8]	[10]	[11]
2.5	[3]	[4]	[5]	[6]	[7]	[8]	[10]	[11]	[14]	[15]
4.0	[5]	[6]	[7]	[8]	[10]	[11]	[14]	[15]	[21]	[22]

Production Lot Number	<u>90S/1M/110</u>	Product Type	<u>OCF/108/108AL</u>
Production Time	<u>1000</u>		
Size	<u>M</u>		
Sample Size (pcs)	<u>80</u>		

CRITICAL DEFECTS (Accept-0, Reject-1)			
Mixed Size/Mixed Type	/		
Embedded Debris / Insect			
VH/Knocking/Touching			
Torn/Tear			

WATER TEST DEFECTS (AQL: 1.0; Accept- 3, Reject- 1)			
Pinhole Finger	<u>1</u>		
Pinhole Palm	<u>1</u>		
Pinhole Crotch	<u>0</u>		
Pinhole Thumb	<u>0</u>		
Pinhole Wrist/Cuff	<u>0</u>		

MAJOR VISUAL DEFECTS (AQL: 4.0; Accept- 3, Reject- 1)			
Lump > 2 mm ²	/		
Dirt / Stain > 0.5mm ²			
Defective Bead			
Rolled Cuff			
Tacky > 10 mm			
Pinkish			
Sticky Pleat			
Excessive Powder			
Under Cure			
Crack line			
Thin Spot/Thin Layer			
Inverted Finger / Unturned			
Discolor			
Odor			
Others			

MINOR VISUAL DEFECTS (AQL 4.0; Accept- 3, Reject- 1)			
Lump < 2 mm ²	/		
Dirt < 0.5mm ²			
Defective Bead			
Thin Spot/Thin Layer			
Tacky < 10 mm			
Others			

Total Critical Defects	-		
Total Water Test Defects	<u>3</u>		
Total Major Visual Defects	-		
Total Minor Visual Defects	-		

Critical Result	A	R	A	R	A	R	A	R	A	R	A	R	A	R	A	R	A	R	A	R
Water Test Result	A	R	A	R	A	R	A	R	A	R	A	R	A	R	A	R	A	R	A	R
Major Visual Result	A	R	A	R	A	R	A	R	A	R	A	R	A	R	A	R	A	R	A	R
Minor Visual Result	A	R	A	R	A	R	A	R	A	R	A	R	A	R	A	R	A	R	A	R

AQL	<u>1.0</u>
Disposition	<u>P</u>
Inspection Time	<u>10.00am</u>
Signature	<u>K. Panjalai</u>

* AQL - Acceptance Quality Level A - Accept R - Reject

Verified By: K. Panjalai
 Q.A. Leader

COMFORT RUBBER GLOVES IND. SDN. BHD.

Daily Physical Dimension Inspection

Factory: Soots 90 days
 Line no: Lot (2)
 Lot Size: 80 pcs

Date: 13-10-17
 Shift: MORNING
 S2 - AQL: 4.0, n = 13, ACC: 1, REJ: 2

DIMENSION & WEIGHT													
Lot No.	Type	Time	Size	#	Width (mm)	Length (mm)		Thickness (mm)			Avg. 10pcs Weight (g)	Inspected by	Disposition
						1	2	Cuff	Palm	Finger			
7051113410	OCF40N BEL	1000	M	1	96	240	242	0.08	0.09	0.13			<input checked="" type="checkbox"/> Pass
				2	95	240	240	0.08	0.10	0.14			
				3	96	242	242	0.08	0.09	0.13			
				4	95	240	240	0.07	0.09	0.13			
				5	96	240	242	0.07	0.09	0.13			
				6	95	242	240	0.08	0.10	0.14			
				7	96	240	242	0.07	0.09	0.13			
				8	95	241	242	0.08	0.09	0.14			
				9	93	245	242	0.08	0.09	0.13			
				10	96	240	242	0.08	0.09	0.14			
				11	96	242	244	0.07	0.09	0.13			
				12	95	240	242	0.08	0.10	0.14			
				13	96	242	242	0.08	0.09	0.13			
				1								<input type="checkbox"/> Pass	
				2									
				3									
				4									
				5									
				6									
				7									
				8								<input type="checkbox"/> Fail	
				9									
				10									
				11									
				12									
				13								Fail:	
				1								<input type="checkbox"/> Pass	
				2									
				3									
				4									
				5									
				6									
				7									
				8								<input type="checkbox"/> Fail	
				9									
				10									
				11									
				12									
				13								Fail:	

Checked By: M. Pajal
 Q.A Leader

Verified By: Yostah
 Q.A Supervisor

Acknowledged By: [Signature]
 Production Supervisor

COMFORT RUBBER GLOVES INDUSTRIES SDN. BHD.

INSPECTION DATA SHEET

SAMPLING PLAN - General Inspection Level (G1)

FACTORY : Soc'20 90 Days
 LINE NO. : 107 (3)

DATE : 13-12-17
 SHIFT : MORNING

Sample Plan: General Inspection Level 1 (G1)

AQL	n=50		n=80		n=125		n=200		n=315	
	Acc	Rej	Acc	Rej	Acc	Rej	Acc	Rej	Acc	Rej
1.0	[1]	[2]	[2]	[3]	[3]	[4]	[5]	[6]	[7]	[8]
1.5	[2]	[3]	[3]	[4]	[5]	[6]	[7]	[8]	[10]	[11]
2.5	[3]	[4]	[5]	[6]	[7]	[8]	[10]	[11]	[14]	[15]
4.0	[5]	[6]	[7]	[8]	[10]	[11]	[14]	[15]	[21]	[22]

Production Lot Number	<u>HOS 11 MAR 1A</u>				Product Type	<u>OCCASION GLOVE</u>			
Production Time	<u>11:00</u>								
Size	<u>M</u>								
Sample Size (pcs)	<u>80</u>								

CRITICAL DEFECTS (Accept-0, Reject-1)

Mixed Size/Mixed Type	/																		
Embedded Debris / Insect																			
VH/Knocking/Touching																			
Torn/Tear																			

WATER TEST DEFECTS (AQL 1.5; Accept-3, Reject-4)

Pinhole Finger	0																		
Pinhole Palm	0																		
Pinhole Crotch	0																		
Pinhole Thumb	0																		
Pinhole Wrist/Cuff	0																		

MAJOR VISUAL DEFECTS (AQL 1.5; Accept-3, Reject-4)

Lump > 2 mm ²	/																		
Dirt / Stain > 0.5mm ²																			
Defective Bead																			
Rolled Cuff																			
Tacky > 10 mm																			
Pinkish																			
Sticky Pleat																			
Excessive Powder																			
Under Cure																			
Crack line																			
Thin Spot/Thin Layer																			
Inverted Finger / Unturned																			
Discolor																			
Odor																			
Others																			

MINOR VISUAL DEFECTS (AQL 4.0; Accept-3, Reject-4)

Lump < 2 mm ²	/																		
Dirt < 0.5mm ²																			
Defective Bead																			
Thin Spot/Thin Layer																			
Tacky < 10 mm																			

Total Critical Defects	-																		
Total Water Test Defects	0																		
Total Major Visual Defects	-																		
Total Minor Visual Defects	-																		
Critical Result		A	R	A	R	A	R	A	R	A	R	A	R	A	R	A	R	A	R
Water Test Result		A	R	A	R	A	R	A	R	A	R	A	R	A	R	A	R	A	R
Major Visual Result		A	R	A	R	A	R	A	R	A	R	A	R	A	R	A	R	A	R
Minor Visual Result		A	R	A	R	A	R	A	R	A	R	A	R	A	R	A	R	A	R
AQL		<u>0.65</u>																	
Disposition		<u>P</u>																	
Inspection Time		<u>10:00pm</u>																	
Signature		<u>K. Pangala</u>																	

* AQL - Acceptance Quality Level A - Accept R - Reject

Verified By: K. Pangala
 Q.A. Leader

COMFORT RUBBER GLOVES IND. SDN. BHD.

Daily Physical Dimension Inspection

Factory: 50'022 90 Sngs
 Line no: L07 (3)
 Lot Size: 80 pcs

Date: 13-10-17
 Shift: MORNING

S2 - AQL: 4.0, n = 13, ACC: 1, REJ: 2

DIMENSION & WEIGHT													
Lot No.	Type	Time	Size	#	Width (mm)	Length (mm)		Thickness (mm)			Avg. 10pcs Weight (g)	Inspected by	Disposition
						1	2	Cuff	Palm	Finger			
70511/AN041A	OCF48MSGL	1400	M	1	96	246	245	0.07	0.09	0.13			<input checked="" type="checkbox"/> Pass
				2	96	247	246	0.07	0.09	0.13			
				3	98	250	247	0.07	0.09	0.13			
				4	96	245	247	0.07	0.09	0.13			
				5	95	240	248	0.07	0.09	0.13			
				6	95	240	242	0.07	0.09	0.13			
				7	96	240	242	0.07	0.09	0.13			
				8	95	242	241	0.07	0.09	0.13			
				9	96	244	245	0.07	0.09	0.13			
				10	95	242	242	0.07	0.09	0.13			
				11	96	244	242	0.07	0.09	0.13			
				12	95	243	244	0.07	0.09	0.13			
				13	96	242	247	0.07	0.09	0.11			
				1									<input type="checkbox"/> Pass
				2									
				3									
				4									
				5									
				6									
				7									
				8									
				9									
				10									
				11									
				12									
				13									
				1									<input type="checkbox"/> Pass
				2									
				3									
				4									
				5									
				6									
				7									
				8									
				9									
				10									
				11									
				12									
				13									

Checked By: K. Panjala
 Q.A Leader

Verified By: Kambish
 Q.A Supervisor

Acknowledged By: [Signature]
 Production Supervisor

Comfort Rubber Gloves Industries S/B

TENSILE STRENGTH TEST RESULT (EN STD)

(AGED)

Type of glove: OCF48NBBL (90 Days)

Lot No.: 70511m2406 (Lot 1)

Off Line Lot No.:

Size: M-240mm

Sample: Mira QA

Tested date: 15-12-2017

Force at Break

Aged: - Min 6 Newton

Test No.	Weight g	Width mm	Area mm ²	FAB N	T.Strength MPa	Elongation %
1	4.928	3.00	0.24	7.36	30.65	602
2	4.936	3.00	0.24	6.58	27.44	580
3	4.970	3.00	0.24	7.19	29.94	496
4	4.962	3.00	0.24	7.31	30.48	574
5	5.079	3.00	0.24	7.62	31.75	517
6	5.126	3.00	0.24	7.36	30.67	527
7	5.015	3.00	0.24	6.98	29.09	515
8	4.976	3.00	0.24	8.16	34.00	521
9	4.931	3.00	0.24	8.11	33.81	565
10	5.126	3.00	0.24	6.22	25.91	491
11	5.106	3.00	0.24	7.81	32.53	536
12	5.126	3.00	0.24	7.28	30.33	481
13	5.106	3.00	0.24	7.12	29.67	533
Average	5.030	3.00	0.24	7.32	30.48	534
SD(N-1)	0.083	0.00	0.00	0.55	2.28	37
Medium	5.015	3.00	0.24	7.31	30.48	527
Maximum	5.126	3.00	0.24	8.16	34.00	602
Minimum	4.928	3.00	0.24	6.22	25.91	481

Tested by: Nur

(Lab assistant and above)

Verified by: Nora

(Lab Sr. Supervisor and above)

Comfort Rubber Gloves Industries S/B

TENSILE STRENGTH TEST RESULT (EN STD)

(AGED)

Type of glove: OCF48NBBL (90 Days)

Lot No.: 70511m2410 (Lot 2)

Off Line Lot No.:

Size: M-240mm

Sample: Mira QA

Tested date: 15-12-2017

Force at Break

Aged:- Min 6 Newton

Test No.	Weight g	Width mm	Area mm ²	FAB N	T.Strength MPa	Elongation %
1	4.806	3.00	0.24	7.48	31.15	569
2	4.927	3.00	0.24	6.81	28.36	520
3	4.991	3.00	0.24	6.98	29.10	529
4	4.963	3.00	0.24	7.09	29.53	530
5	5.012	3.00	0.24	6.53	27.22	672
6	4.963	3.00	0.24	7.52	31.34	530
7	4.951	3.00	0.24	7.89	32.86	492
8	4.981	3.00	0.24	7.22	30.10	528
9	4.987	3.00	0.24	6.61	27.56	513
10	4.893	3.00	0.24	7.58	31.58	571
11	4.981	3.00	0.24	6.76	28.19	728
12	4.987	3.00	0.24	6.58	27.41	518
13	4.893	3.00	0.24	6.69	27.88	483
Average	4.949	3.00	0.24	7.06	29.41	553
SD(N-1)	0.056	0.00	0.00	0.45	1.85	71
Medium	4.963	3.00	0.24	6.98	29.10	529
Maximum	5.012	3.00	0.24	7.89	32.86	728
Minimum	4.806	3.00	0.24	6.53	27.22	483

Tested by: Nur
(Lab assistant and above)

Verified by: Nora
(Lab Sr. Supervisor and above)

Comfort Rubber Gloves Industries S/B

TENSILE STRENGTH TEST RESULT (EN STD)

(AGED)

Type of glove: OCF48NBBL (90 Day)

Lot No.: 70511m2411 (Lot 3)

Off Line Lot No.:

Size: M-240mm

Sample: Mira QA

Tested date: 15-12-2017

Force at Break

Aged:- Min 6 Newton

Test No.	Weight g	Width mm	Area mm ²	FAB N	T. Strength MPa	Elongation %
1	4.977	3.00	0.24	8.35	34.78	568
2	4.902	3.00	0.24	8.46	35.25	785
3	4.931	3.00	0.24	7.63	31.78	514
4	4.878	3.00	0.24	7.25	30.20	540
5	4.126	3.00	0.24	8.09	33.71	517
6	4.931	3.00	0.24	8.48	35.32	610
7	4.978	3.00	0.24	7.08	29.49	599
8	4.931	3.00	0.24	7.24	30.15	512
9	4.952	3.00	0.24	7.89	32.87	573
10	4.980	3.00	0.24	6.56	27.33	528
11	4.973	3.00	0.24	7.99	33.27	610
12	4.962	3.00	0.24	8.63	35.98	834
13	4.965	3.00	0.24	8.00	33.32	565
Average	4.884	3.00	0.24	7.82	32.57	597
SD(N-1)	0.230	0.00	0.00	0.63	2.63	101
Medium	4.952	3.00	0.24	7.99	33.27	568
Maximum	4.980	3.00	0.24	8.63	35.98	834
Minimum	4.126	3.00	0.24	6.56	27.33	512

Tested by: Nur
(Lab assistant and above)

Verified by: Nora
(Lab Sr. Supervisor and above)



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Fax +44 (0) 1536 410626
email: info@satra.com
www.satra.com



0248

Customer details: Comfort Rubber Gloves Industries Sdn.Bhd SATRA reference: CHM0292515/1948/LC
Lot 821 /A

Jalan Matang
34750 Matang
Perak
Malaysia

Your reference:

Date of report: 20th January 2020

Samples received: 21st November 2019

Date(s) work carried out: 7th to 17th January 2020

TECHNICAL REPORT

Subject:

EN 16523-1:2015+A1:2018 resistance to permeation by chemicals on gloves described as Nitrile Powder Free Examination Gloves PFNBR244.

Conditions of Issue:

This report may be forwarded to other parties provided that it is not changed in any way. It must not be published, for example by including it in advertisements, without the prior, written permission of SATRA.

Results given in this report refer only to the samples submitted for analysis and tested by SATRA. Comments are for guidance only.

Tests marked \neq fall outside the UKAS Accreditation Schedule for SATRA. All interpretations of results of such tests and the comments based upon them are outside the scope of UKAS accreditation and are based on current SATRA knowledge.

A satisfactory test report in no way implies that the product tested is approved by SATRA and no warranty is given as to the performance of the product tested. SATRA shall not be liable for any subsequent loss or damage incurred by the client as a result of information supplied in the report.

The uncertainty of the results (UoM) in this report is based on a standard uncertainty multiplied by a coverage factor $k=2$, which provides a coverage probability of approximately 95%.

Report signed by: Lucy Cove
Position: Technologist
Department: Chemical & Analytical Technology

(Page 1 of 12)

WORK REQUESTED:

Samples of gloves described as Nitrile Powder Free Examination Gloves PFNBR244 were received on the 21st November 2019 for testing in accordance with EN 16523-1:2015+A1:2018 and assessment in accordance with the requirements of EN ISO 374-1:2016+A1:2018.

SAMPLES SUBMITTED:



Samples described as Nitrile Powder Free Examination Gloves PFNBR244

CONCLUSION:

When assessed in accordance with the requirements of EN ISO 374-1:2016+A1:2018 the samples of gloves described as Nitrile Powder Free Examination Gloves PFNBR244 achieved the following performance levels:

Chemical	Performance level
n-Heptane (CAS: 142-82-5)	1
40% Sodium hydroxide (CAS: 1310-73-2)	6
96% Sulphuric acid (CAS: 7664-93-9)	The samples tested did not meet with the minimum breakthrough time for a performance level 1 to be achieved
99% Acetic acid (CAS: 64-19-7)	The samples tested did not meet with the minimum breakthrough time for a performance level 1 to be achieved
30% Hydrogen peroxide (CAS: 7722-84-1)	The samples tested did not meet with the minimum breakthrough time for a performance level 1 to be achieved
37% Formaldehyde (CAS: 50-00-0)	5

Full results are reported in the following tables.

TESTING REQUIRED:

- EN 16523-1:2015+A1:2018 - Determination of material resistance to permeation by chemicals - Part 1: Permeation by liquid chemical under conditions of continuous contact

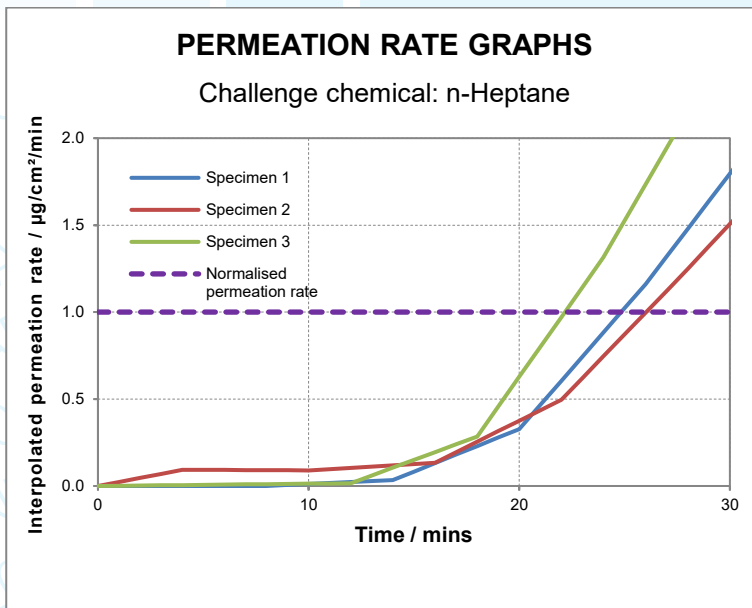
RESULTS AND REQUIREMENTS:

EN ISO 374-1:2016+A1:2018 - Protective gloves against dangerous chemicals and micro-organisms - Part 1: Terminology and performance requirements for chemical risks. Table 1: Permeation performance levels.

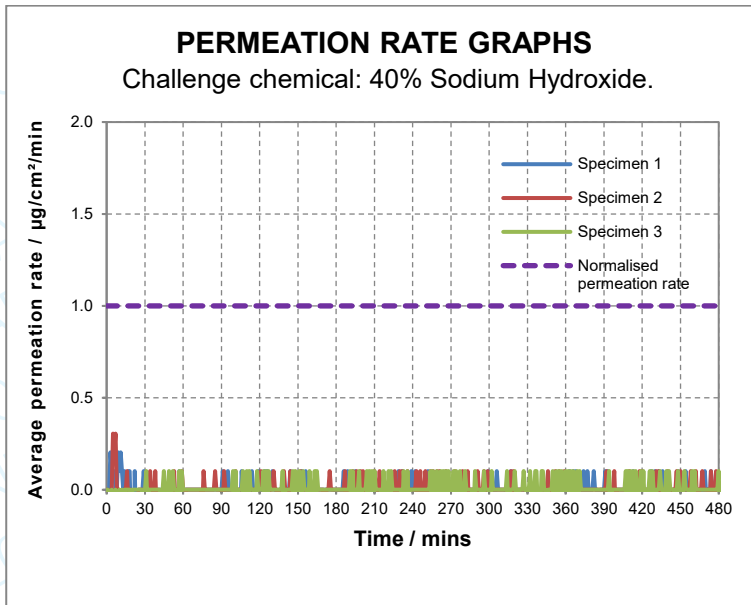
Permeation performance level	Measured breakthrough time (minutes)
1	>10
2	>30
3	>60
4	>120
5	>240
6	>480

Performance levels are based on the lowest individual result achieved per chemical.

Test/Property	Sample reference:	Nitrile Powder Free Examination Gloves PFNBR244		Performance
EN 16523-1:2015 +A1:2018 in accordance with SATRA SOP CAT-005	Test information:	Chemical: n-Heptane		Level 1
		Normalised permeation rate (NPR): 1 µg/cm ² /min		
		Detection technique: GC-FID (periodic measurement)		
		Collection medium: Dry air (open loop)		
		Collection medium flow rate: 335 – 380 ml/min		
		Test temperature: (23 ± 1) °C		
Using stainless steel permeation cells with standardised dimensions	Specimen	Thickness (mm) ^Δ	Breakthrough time (mins) [▲]	
	1	0.10	24	
	2	0.10	26	
	3	0.10	22	
		Test result:	22	
	UoM:	± 1		
Visual appearance of specimens after testing:		Shrunken		

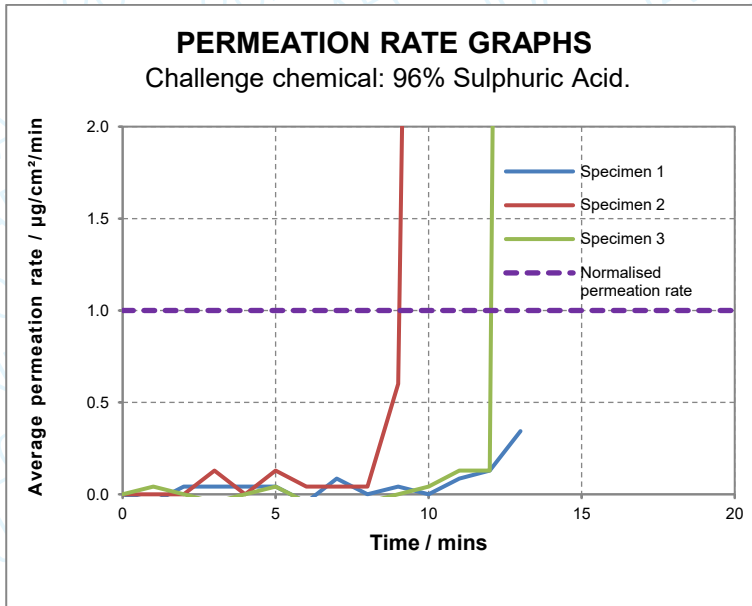


Test/Property	Sample reference:	Nitrile Powder Free Examination Gloves PFNBR244		Performance
EN 16523-1:2015 +A1:2018 in accordance with SATRA SOP CAT-009 Using PTFE permeation cells with standardised dimensions	Test information:	Chemical: 40% Sodium hydroxide		Level 6
		Normalised permeation rate (NPR): 1 µg/cm ² /min		
		Detection technique: Conductimetry (continuous measurement)		
		Collection medium: Deionised water (closed loop)		
		Collection medium stirring rate: 45 – 65 ml/min (each cell constant to within ± 10%)		
	Test temperature: (23 ± 1) °C			
	Specimen	Thickness (mm)^Δ	Breakthrough time (mins)	
1	0.09	>480		
2	0.09	>480		
3	0.09	>480		
	Test result:	>480		
	UoM:	<1		
Visual appearance of specimens after testing:		Discoloured		

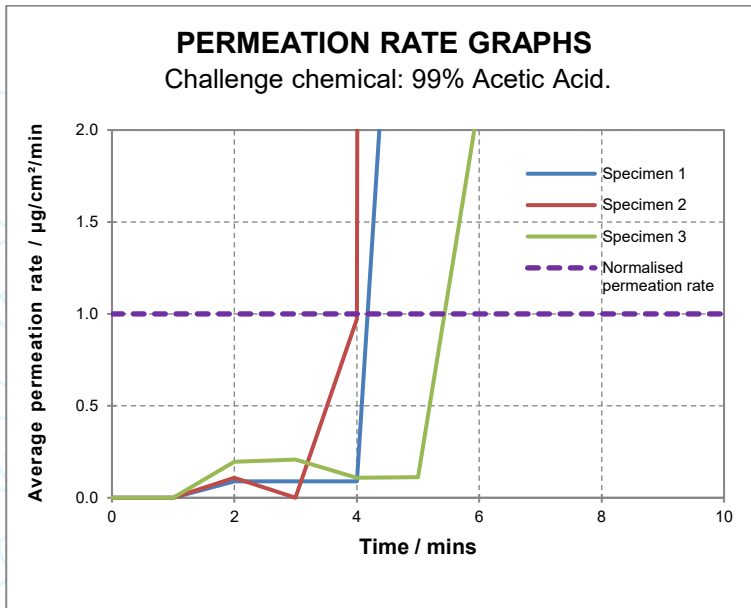


Test/Property	Sample reference:	Nitrile Powder Free Examination Gloves PFNBR244		Performance
EN 16523-1:2015 +A1:2018 in accordance with SATRA SOP CAT-009 Using PTFE permeation cells with standardised dimensions	Test information:	Chemical: 96% Sulphuric acid		The samples tested did not meet with the minimum breakthrough time for a performance level 1 to be achieved
		Normalised permeation rate (NPR): 1 µg/cm ² /min		
		Detection technique: Conductimetry (continuous measurement)		
		Collection medium: Deionised water (closed loop)		
		Collection medium stirring rate: 45 – 65 ml/min (each cell constant to within ± 10%)		
		Test temperature: (23 ± 1) °C		
	Specimen	Thickness (mm)^Δ	Breakthrough time (mins)	
1	0.08	14*		
2	0.09	10		
3	0.09	13		
	Test result:	10		
	UoM:	<1		
Visual appearance of specimens after testing:		Swollen, brittle, disintegrated, discoloured and flaky		

* The conductivity of the collection medium rose above the working range of the detection system. However, before this point a breakthrough had not occurred.

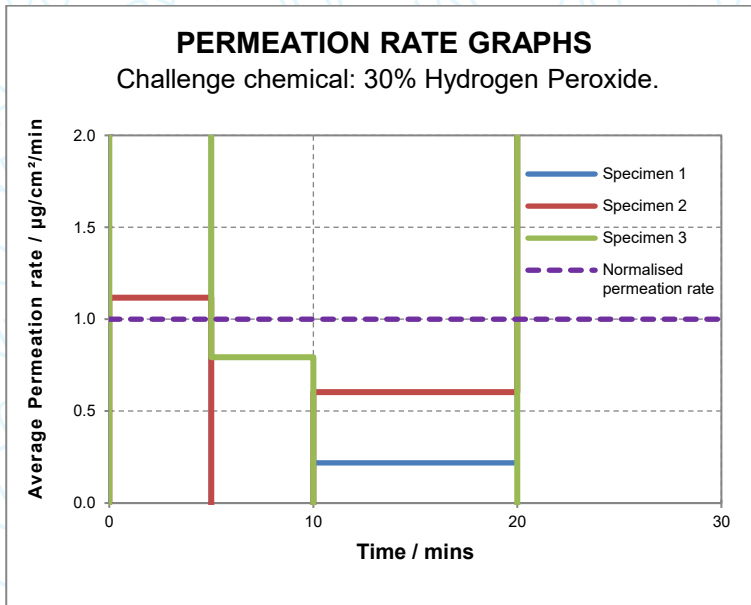


Test/Property	Sample reference:	Nitrile Powder Free Examination Gloves PFNBR244		Performance	
EN 16523-1:2015 +A1:2018 in accordance with SATRA SOP CAT-009 Using PTFE permeation cells with standardised dimensions	Test information:	Chemical: 99% Acetic acid		The samples tested did not meet with the minimum breakthrough time for a performance level 1 to be achieved	
		Normalised permeation rate (NPR): 1 µg/cm ² /min			
		Detection technique: Conductimetry (continuous measurement)			
		Collection medium: Deionised water (closed loop)			
		Collection medium stirring rate: 45 – 65 ml/min (each cell constant to within ± 10%)			
		Test temperature: (23 ± 1) °C			
	Specimen	Thickness (mm)^Δ	Breakthrough time (mins)		
		1	0.10		5
		2	0.10		5
		3	0.09		6
Test result:		5			
UoM:		±1			
Visual appearance of specimens after testing:		Swollen and discoloured			



Test/Property	Sample reference:	Nitrile Powder Free Examination Gloves PFNBR244		Performance	
EN 16523-1:2015 +A1:2018 in accordance with SATRA SOP CAT-025 Using PTFE permeation cells with standardised dimensions	Test information:	Chemical: 30% Hydrogen peroxide		The samples tested did not meet with the minimum breakthrough time for a performance level 1 to be achieved	
		Normalised permeation rate (NPR): 1 µg/cm ² /min			
		Detection technique: Electrochemical detector (periodic measurement)			
		Collection medium: Deionised water (closed loop)			
		Collection medium stirring rate: 45 – 65 ml/min (each cell constant to within ± 10%)			
		Test temperature: (23 ± 1) °C			
	Specimen	Thickness (mm)^Δ	Breakthrough time (mins)[▼]		
		1	0.10		Between 21 to 30
		2	0.10		Between 21 to 30
		3	0.10		<5
	Test result:	<5			
	UoM:	See below			
Visual appearance of specimens after testing:	Swollen				

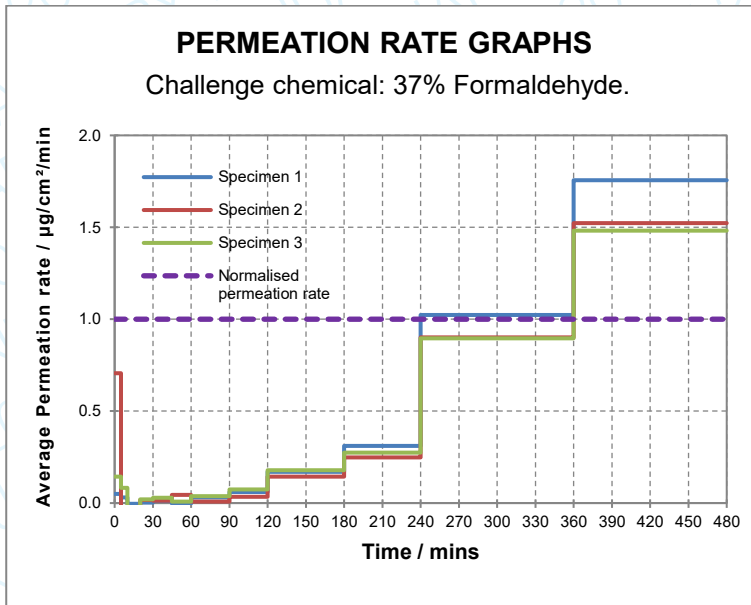
For SOP CAT-025, where both the P₁ and P_u are observed in the same sampling range, uncertainty is expressed as the time difference between the mid-point of the range and the previous sampling time. This uncertainty is included in the reported result.



Hydrogen peroxide is determined by discrete sampling; therefore the permeation rate graph is not a smooth curve. The readings from specimens 1 and 2 after 5 minutes were considered to be outliers and not breakthroughs.

Test/Property	Sample reference:	Nitrile Powder Free Examination Gloves PFNBR244		Performance
EN 16523-1:2015 +A1:2018 in accordance with SATRA SOP CAT-025	Test information:	Chemical: 37% Formaldehyde		Level 5
		Normalised permeation rate (NPR): 1 µg/cm ² /min		
		Detection technique: HPLC-DAD (periodic measurement)		
		Collection medium: Deionised water (closed loop)		
		Collection medium stirring rate: 45 – 65 ml/min (each cell constant to within ± 10%)		
		Test temperature: (23 ± 1) °C		
Using PTFE permeation cells with standardised dimensions	Specimen	Thickness (mm) [△]	Breakthrough time (mins) [▽]	
	1	0.09	Between 241 to 360	
	2	0.10	Between 361 to 480	
	3	0.09	Between 361 to 480	
		Test result:	Between 241 to 360	
	UoM:	See below		
Visual appearance of specimens after testing:	Swollen and discoloured			

For SOP CAT-025, where both the P₁ and P_u are observed in the same sampling range, uncertainty is expressed as the time difference between the mid-point of the range and the previous sampling time. This uncertainty is included in the reported result.



Formaldehyde is determined by discrete sampling; therefore the permeation rate graph is not a smooth curve.

- △ EN 16523-1:2015+A1:2018 does not require the test specimen thicknesses to be reported, this information is indicative only.
- ▲ The collection medium from each cell is analysed once every 6 minutes. Due to the complexity of the detection technique, the minimum sampling frequency for final results ≤ 60 minutes as specified in table 1 of EN 16523-1:2015+A1:2018 is not possible. Breakthrough time is calculated using linear interpolation between the discrete sampling points.
- ▼ Breakthrough expressed as a range between discrete sampling points where the average permeation rate exceeds the NPR. Due to the complexity of the detection technique, the minimum sampling frequency as specified in table 1 of EN 16523-1:2015+A1:2018 is not possible.

TECHNOLOGY

TERMS AND CONDITIONS FOR THE SALE OF GOODS AND/OR THE PROVISION OF SERVICES

- 1. GENERAL**
 - 1.1 Work done, Services undertaken or the sale of Goods are subject to the terms and conditions detailed below and (subject to clause 5.2) all other conditions, warranties and representations, expressed or implied by statute relating thereto are hereby excluded.
 - 1.2 SATRA Technology Centre Limited, its subsidiaries and associated companies (hereinafter referred to as "SATRA") may perform Services for or supply Goods to persons or entities (public, private or governmental) issuing instructions (hereinafter termed the "Client"). Each also known individually as a Party, or jointly as Parties.
 - 1.3 These terms and conditions will apply to the Contract between SATRA and the Client to the exclusion of any other terms which the Client may seek to impose or which may be implied by trade, custom, practice or course of dealing
 - 1.4 Unless otherwise agreed in writing no party other than the Client is entitled to provide instructions or information relating to the Goods or Services required or to the delivery of goods, results, reports or certificates.
 - 1.5 All references in these terms and conditions to:
 - (a) the "Contract" is the contract between SATRA and the Client for the supply of Goods or Services which is made subject to these terms and conditions; and
 - (b) "Services" are the work or services to be supplied or performed under the Contract (including where relevant the supply of software, components and consumables); and
 - (c) "Goods" are the equipment, consumables or other physical items sold under the Contract (including documents, drawings or other information required in order to operate the equipment).
 - 1.6 All drawings, descriptive matter, specifications and advertising material (including brochures and catalogues) are issued or published with the sole purpose of giving an indication of the goods or services being described and shall not form part of the Contract.
 - 1.7 Where SATRA and the Client agree that the sale of Goods shall be governed by Incoterms 2010 (or any subsequent revision thereto) then the sale shall be governed by the relevant Incoterms mode of transport which is agreed by SATRA and the Client.
- 2. FEES AND PAYMENT**
 - 2.1 Where SATRA has agreed to perform the Services or supply the Goods on the basis of credit then payment terms are net 21 days from date of invoice, unless otherwise specified and may require part payment prior to delivery of the Services or Goods. In the event of the Client failing to make payment as agreed SATRA will be entitled to withhold delivery of the Goods or Services or cancel the Contract. SATRA reserves the right to charge interest on any overdue payments at a rate of 1.5% per month accruing on a daily basis from the date the invoice is due until the date payment is received.
 - 2.2 Where the provision of Services or the sale of Goods is subject to a proforma invoice then SATRA shall not be obliged to start working on the provision of the Goods or Services until after payment in full has been made as cleared funds to SATRA.
 - 2.3 SATRA reserves the right to charge for any and all expenses incurred as a result of performing the Services required by the Client. Although SATRA will try and provide an estimate of such expenses these may change as a result of circumstances out of SATRA's control.
 - 2.4 Unless otherwise agreed in writing, the price for the Goods or Services shall be the price set in the order acknowledgement. SATRA shall not be bound by any price quoted which is not in writing. Prices for the sale of Goods include packing cases and materials but not carriage or installation which will be quoted separately and as agreed with the Client.
 - 2.5 Quotations are valid from the date of issue for a period of 90 days unless otherwise specified or agreed in writing.
 - 2.6 Should the Client become insolvent, bankrupt, subject to an administration order, enter into liquidation or receivership, or make arrangements with creditors SATRA reserves the right to cancel the Contract and terminate the supply of the Goods or Services. Where the Contract with SATRA is terminated all outstanding monies due from the Client to SATRA shall be immediately payable, and any materials supplied by SATRA to the Client returned. Termination of the Contract shall be without prejudice to any of SATRA's accrued rights.
 - 2.7 All invoices issued by SATRA are payable in full. The Client is responsible for payment of withholding and any other taxes and all import duties. Payments made to SATRA shall not be reduced by such amounts.
 - 2.8 The Client shall not be entitled to withhold or defer payment due to SATRA as a result of any dispute or counter claim that it may allege against SATRA.
 - 2.9 SATRA reserves the right to bring action against the Client in order to collect unpaid fees, including court action. All fees associated with such actions shall be paid for by the Client including legal fees and related costs.
 - 2.10 Where unforeseen costs arise as a result of provision of the Goods or carrying out the Services SATRA shall inform the Client immediately but reserves the right to charge additional costs to cover said costs and expenses.
- 3. INTELLECTUAL PROPERTY RIGHTS**
 - 3.1 All intellectual property rights belonging to a Party prior to entry into the Contract shall remain with that Party. Nothing in this Contract shall allow transfer of any intellectual property rights from one Party to the other.
 - 3.2 In the event of certification services the use of certification marks by the Client may be subject to national and international laws and regulations. The responsibility for the use of these certification marks lies solely with the Client.
 - 3.3 All intellectual property rights in reports, drawings, graphs, charts, photographs or any other material (in whatever medium) produced by SATRA pursuant to this Contract shall belong to SATRA. The Client shall have the right to use said material in accordance with the terms of this Contract.
 - 3.4 The Client agrees and acknowledges that SATRA retains any and all proprietary rights in concepts, ideas and inventions that may arise during the preparation or provision of any report (including any deliverables provided by SATRA to the Client) and the provision of the Services to the Client.
 - 3.5 All intellectual property rights in any software supplied to the Client shall belong to SATRA or SATRA's licensors. With respect to the sale of SATRA Timeline, SATRASUMM and SATRA Visionsstich, provided that the Client is a member of SATRA and has paid its annual Smartcare fee then the Client will be entitled to use the software for its own internal use and will be entitled to receive minor software upgrades and fixes. SATRA may however terminate the supply of software upgrades and fixes for older versions of software which it no longer considers viable to support. The Client's rights to use the software and receive software upgrades and fixes will terminate if the Client has not paid its annual Smartcare fee. Major upgrades are not included within the entitlement to upgrades but may be offered by SATRA from time to time for an additional fee.
 - 3.6 SATRA shall observe all statutory provisions with regard to data protection including but not limited to the provisions of the Data Protection Act 2018 and the EU General Data Protection Regulation (GDPR) Regulation (EU) 2016/679. To the extent that SATRA processes or gets access to personal data in connection with the Services or otherwise in connection with this Contract, it shall take all reasonable technical and organisational measures to ensure the security of such data (and guard against unauthorised or unlawful processing, accidental loss, destruction or damage to such data).
- 4. SUSPENSION OR TERMINATION OF SERVICES**
 - 4.1 Cancellation by the Client of orders for Goods or Services will only be acceptable by prior agreement with SATRA and a charge will usually be made.
 - 4.2 SATRA shall not be liable for any delay or failure in providing the Goods or Services due to circumstances beyond its reasonable control (including any failure by the Client to comply with its obligations). If any such circumstances arise which prevent SATRA from delivering the Goods or completing the Services, then SATRA will be entitled to cancel or reschedule the delivery of Goods or Services at its discretion. In the event of cancellation SATRA will be entitled to retain all fees paid by the Client for Goods or Services already supplied but will refund to the Client any fees paid by the Client for Goods or Services which have not yet been supplied. The Client will not be liable for any non-refundable expenses already incurred by SATRA in relation to Goods or Services not yet supplied unless the cancellation is due to the Client's failure to comply with its obligations under the Contract.
- 5. LIABILITY AND INDEMNIFICATION**
 - 5.1 Reports are issued on the basis of information, documents and/or samples submitted to SATRA by the Client, or on behalf of the Client and are provided solely for the benefit of the Client who is responsible for acting as it sees fit on the basis of such reports and findings. Subject to clause 5.2, neither SATRA nor any of its employees, agents or subcontractors shall be liable to the Client or any third party for any actions taken or not taken on the basis of such findings and reports, nor for any incorrect results arising as a result of unclear, erroneous, incomplete, misleading or false information provided to SATRA.
 - 5.2 Nothing in these terms and conditions shall limit or exclude SATRA's liability for:
 - (a) death or personal injury caused by its negligence or the negligence of its employees or agents;
 - (b) fraud or fraudulent misrepresentation;
 - (c) breach of the terms implied by Section 12 of the Sale of Goods Act 1979;
 - (d) defective products under the Consumer Protection Act 1987; or
 - (e) any other liability which cannot be limited or excluded by applicable law.
 - 5.3 Subject to clause 5.2 SATRA shall not be liable to the Client whether in contract, tort (including negligence), breach of statutory duty or otherwise arising under or in connection with the Contract for loss of profits, sales, contracts, anticipated savings, loss or damage to goodwill or any indirect or consequential loss.
 - 5.4 Subject to clause 5.2 SATRA's total aggregate liability to the Client, whether in contract, tort (including negligence), breach of statutory duty or otherwise arising under or in connection with the Contract shall be limited to the total amount of fees for the Services or the price of the Goods (excluding any value added tax or other sales tax or expenses) payable by the Client to SATRA under the Contract or £100,000 whichever is the lower figure.
- 6. MISCELLANEOUS**
 - 6.1 If any one or more provisions of these conditions are found to be illegal or unenforceable in any respect, the validity, legality and enforceability of the remaining provisions shall not in any way be affected or impaired thereby.
 - 6.2 During the course of providing the Goods or Services and for a period of one year thereafter the Client shall not directly or indirectly entice, encourage or make any offer to SATRA's employees to leave their employment with SATRA.
 - 6.3 The use of SATRA's corporate name or registered marks for advertising purposes is not permitted without SATRA's prior written authorisation.
 - 6.4 All reports and documentation which are supplied to the Client under the Contract remain the property of SATRA until paid in full. Under no circumstances will a Client's purchase order override SATRA's retention of title in accordance with this clause.
 - 6.5 The Client acknowledges that in entering into this Contract it has not relied on any representation, warranty, collateral contract or other assurance (except those set out or referred to in these terms and conditions) made by or on behalf of SATRA or any other party before entering into the Contract. The Client waives all rights and remedies that, but for this clause, might otherwise be available to it in respect of any such representation, warranty, collateral contract or other assurance.
 - 6.6 All provisions of the Contract that limit or exclude the liability of SATRA are intended also to be for the benefit of SATRA's holding company (called SATRA, and being a company limited by guarantee and incorporated in England and Wales with company number 00153475), and shall accordingly be enforceable by such holding company as well as or instead of by SATRA, and on the basis that any limit on the liability of SATRA shall apply to it and to such holding company in the aggregate.
- 7. CONFIDENTIALITY**
 - 7.1 Unless specifically excluded in the terms of an individual contract between SATRA and the Client, the following shall apply to all deliverables including, reports, advice, drawings, photographs, specifications, data or other forms of media.
 - 7.2 Deliverables referred to in clause 7.1 shall not be disclosed to third parties or used in litigation without the consent of SATRA.
 - 7.3 Where SATRA has given consent to disclosure of any service deliverables referred to in clause 7.1, the Client shall draw the attention of the third party to these terms of business and the basis on which SATRA undertakes testing, reporting and advising. The Client shall indemnify SATRA for any failure to do so.
 - 7.4 The service deliverables referred to in clause 7.1 are submitted to the Client as confidential documents. Confidentiality shall continue to apply after completion of the business, but shall cease to apply to information or knowledge which has come into the public domain through no breach of this Contract by the Client.
 - 7.5 The Client shall not disassemble, remove parts or carry out any form of analysis on goods or materials sold by SATRA for the purposes of reverse engineering or obtaining information on the construction, content or composition of the item without the consent of SATRA.
- 8. AMENDMENT**
 - 8.1 No amendment to this Contract shall be effective unless it is in writing, expressly stated to amend this Contract and signed by an authorised signatory of both Parties.
- 9. DISPUTE RESOLUTION**
 - 9.1 If there should be a dispute between the parties to this Agreement they undertake to act with goodwill and to use all reasonable endeavours to resolve that dispute.
 - 9.2 Failure to resolve any dispute by discussions between the parties shall, in the first instance, be referred to a mediator for resolution. The parties shall attempt to agree upon the appointment of a mediator, upon receipt, by either of them, of a written notice to concur in such appointment. Should the parties fail to agree within 21 days, either party, upon giving written notice, may apply to the President or the Vice President, for the time being, of the Chartered Institute of Arbitrators, for the appointment of a mediator.
 - 9.3 Should the mediation fail, in whole or in part, either party may, upon giving written notice, and within twenty-eight days thereof, apply to the President or the Vice President, for the time being, of the Chartered Institute of Arbitrators, for the appointment of a single arbitrator, for final resolution. The arbitrator shall have no connection with the mediator or the mediation proceedings, unless both parties have consented in writing. The arbitration shall be governed by both the Arbitration Act 1996 and the Controlled Cost Rules of the

TERMS AND CONDITIONS FOR THE SALE OF GOODS AND/OR THE PROVISION OF SERVICES

- Chartered Institute of Arbitrators (2000 Edition), or any amendments thereof, which Rules are deemed to be incorporated by reference into this clause. The seat of the arbitration shall be England and Wales.
- 9.4 The laws of England shall govern the interpretation of this Contract. Subject to clauses 9.1, 9.2 and 9.3 any dispute arising out of or in connection with the Contract shall be subject to the exclusive jurisdiction of the courts of England. However, the Party obtaining a judgement in such courts shall be entitled to enforce it in any court it chooses.
- 10. PROVISION OF SERVICES**
- 10.1 SATRA shall provide Services using reasonable care and skill and in accordance with the Clients specific instructions and as confirmed by SATRA as part of the Contract review process.
- 10.2 Estimates for completion of the Services are made in good faith and date from receipt of a written order, payment of a proforma invoice if required, full information and samples to enable SATRA to proceed. While SATRA will make every effort to fulfil them, such estimates are subject to unforeseen events and if not achieved, cannot give rise to any claim. Time will not be of the essence in relation to the performance of the Services.
- 10.3 Results given in test reports or certificates refer only to samples submitted for analysis to SATRA. A satisfactory test report in no way implies that the product tested is approved by SATRA and no warranty is given as to the performance of the product tested.
- 10.4 SATRA may delegate all or part of the Services to a subcontractor and the Client authorises SATRA to disclose all information required to undertake the Services.
- 10.5 Where the Client requests SATRA to witness testing of other services being undertaken by a third party the Client agrees that SATRA's sole responsibility is to be present at the time of the work and to forward the results or confirm that the service has been undertaken. The Client agrees that unless otherwise agreed SATRA is not responsible for the condition or calibration of any equipment unless provided by SATRA.
- 10.6 Unless otherwise agreed in advance, test samples will be retained for 6 weeks from the date of the final report after which time they will be disposed of and SATRA shall cease to have any responsibility for such samples.
- Where the nature of the samples or the Services undertaken results in specialist disposal then SATRA reserves the right to pass the cost of such disposal onto the Client. Storage for longer periods may be possible only if agreed in advance and may incur a storage charge payable by the Client.
- Where practical and agreed in advance, samples may be returned at the Client's expense. However, samples are in most instances partially or fully destroyed as part of the work undertaken and SATRA cannot guarantee that samples will be returned in an "as new" condition.
- 10.7 Where SATRA receives documents reflecting engagements between the Client and third parties or documents belonging to third parties, such documents shall be considered as being for information only and shall not release the Client from any or all obligations to SATRA.
- 10.8 SATRA reserves the right to make changes to the Services, provided that such changes do not materially affect the nature or quality of the provision of these Services or where they are necessary in order to ensure that any applicable laws or safety requirements are complied with.
- 10.9 The Client acknowledges that SATRA by providing the Services, neither takes the place of the Client or any third party or releases them from any of their obligations.
- 11. CLIENT RESPONSIBILITIES RELATING TO THE PROVISION OF SERVICES**
- 11.1 The Client shall provide sufficient samples, information, instructions and documents as required to enable SATRA to carry out the Services in accordance with the methods, standards or other specifications as agreed.
- 11.2 Where applicable the Client shall allow access by members of SATRA staff to such premises where the Services are to be performed and provide any specialist equipment and personnel.
- 11.3 The Client shall inform SATRA in advance of any known hazards, dangers or other safety matters relating to samples submitted to SATRA or on site visits made by SATRA.
- 11.4 Where the Client fails to comply with any of its responsibilities SATRA reserves the right to suspend any Services until such time as the Client has complied and may require the Client to reimburse SATRA the amount of any additional costs arising from the suspension.
- 12. DELIVERY AND NON-DELIVERY OF GOODS**
- 12.1 Delivery dates for the supply of the Goods are approximate only and not guaranteed. Time of delivery is not of the essence of the Contract and SATRA shall not be liable for any delay in delivery of Goods.
- 12.2 Should expedited delivery be requested and agreed, SATRA shall be entitled to make additional charges to cover overtime or any other additional costs.
- 12.3 Delivery of the Goods shall take place at such location as SATRA and the Client agree. If the Client agrees to collect the Goods from SATRA's premises, then delivery will take place at those premises in which case the consignment of Goods as recorded by SATRA upon dispatch shall be evidence of the Goods received by the Client unless the Client can provide conclusive evidence to the contrary.
- 12.4 SATRA shall not be liable for the non-delivery of Goods (even if caused by SATRA) unless the Client provides written notice of non-delivery in accordance with clause 13.2. Liability for non-delivery of Goods shall in any event be limited to replacing the Goods within a reasonable time frame or the issue of a credit note to the value of the Goods not delivered.
- 12.5 Should delivery of the Goods be suspended or delayed by the Client for any reason SATRA reserves the right to charge for storage and for all expenses incurred, including loss of or wastage of resources that cannot otherwise be used. If the delay extends beyond 30 days SATRA shall be entitled to immediate payment for any Goods that are ready for delivery, and any other additional costs.
- 12.6 If for any reason the Client fails to accept delivery of any of the Goods when they are ready for delivery, or SATRA is unable to deliver the Goods on time because the Client has not provided appropriate instructions, documents, licenses or authorisations then risk in the Goods shall pass to the Client, the Goods and/or Services shall be deemed to have been delivered; and SATRA may store the Goods until delivery, whereupon the Client shall be liable for all related costs and expenses (including, without limitation, storage and insurance).
- 13. RISK/TITLE OF GOODS**
- 13.1 Subject to clause 12.6 the risk in the Goods will transfer to the Client on delivery of the Goods unless SATRA and the Client have agreed that the sale of the Goods will be governed by Incoterms 2010 (or any subsequent revision thereto) in which case risk will transfer to the Client in accordance with the Incoterms mode of transport which is agreed by SATRA and the Client.
- 13.2 The Company shall not accept responsibility for loss or damage in transit unless:
- a) In the case of sales where delivery of Goods is made in the United Kingdom SATRA is notified by the Client within 10 days of the invoice date of non-arrival of Goods and within 3 days of the invoice date of receipt of Goods damaged in transit; or
- b) In all other cases the Client notifies SATRA on the non-arrival or damage in transit within a reasonable period of time as determined by SATRA.
- 13.3 Title to the Goods shall not pass to the Client until the earlier of when: -
- a) SATRA receives payment in full (in cash or cleared funds) for the Goods and any other Goods that SATRA has supplied to the Client in which case title to the Goods shall pass at the time of payment of all such sums; and
- b) the Client resells the Goods in accordance with clause 13.5 in which case title shall pass to the Client immediately before the time at which the resale by the Client occurs.
- 13.4 Until ownership of Goods has passed to the Client, the Client shall:
- a) hold the Goods as SATRA's bailee;
- b) store the Goods (at no cost to SATRA) separately from all other goods belonging to the Client or any third party in such a way that they remain readily identifiable as SATRA's property (including where the Goods have been sold to a 3rd party);
- c) not destroy, deface or obscure any identifying mark or packaging on or relating to the Goods; and
- d) maintain the Goods in satisfactory condition and keep them insured on SATRA's behalf for their full price against all risks to the reasonable satisfaction of SATRA. The Client shall obtain an endorsement of SATRA's interest in the goods on its insurance policy. On request the Client shall allow SATRA to inspect such Goods and shall produce the policy of insurance.
- 13.5 The Client may resell the Goods before ownership has passed to it solely on condition that sale shall be effected in the ordinary course of the Client's business at full market value.
- 13.6 If before title to the Goods passes to the Client, the Client becomes subject to any of the events referred to in clause 2.6 then without limiting any other right or remedy SATRA may have:
- a) the Client's right to resell the Goods or use them in the ordinary course of its business ceases immediately; and
- b) SATRA may at any time require the Client to deliver up all Goods in its possession that have not been resold or irrevocably incorporated into another product; and
- c) if the Client fails to do so promptly SATRA may exercise its rights under clause 13.7.
- 13.7 The Client grants SATRA, its agents and employees an irrevocable licence at any time to enter any premises where the Goods are or may be stored in order to inspect them, or, where the Client's right to possession has terminated, to recover them.
- 13.8 On termination of the Contract, howsoever caused, SATRA's (but not the Client's) rights contained in this clause 13 shall remain in effect.
- 14. PATENTS**
- 14.1 SATRA gives no indemnity against any claim of infringement of Letters Patent, Registered Design, Trade Mark or Copyright by the use of or sale of any article or material supplied to the Client. If its use is impossible without infringement of Letters Patent, Registered Design, Trade Mark or Copyright published at the date of the contract, SATRA will refund to the Client the purchase price of the said article or material provided that it is returned to SATRA free of charge. The Client warrants that any design or instruction furnished or given by the Client shall not be such as will cause SATRA to infringe any Letters Patent, Registered Design, Trade Mark or Copyright in the execution of the Client's order.
- 15. WARRANTY OF GOODS**
- 15.1 SATRA warrants that on delivery and for a period of 12 months from the date of delivery or within the shelf life of the Goods (whichever is the shorter period) the Goods shall be free from defects in design, material and workmanship.
- 16. DEFECTIVE GOODS**
- 16.1 Subject to clauses 16.6 and 16.7 if:
- a) the Client gives notice in writing to SATRA in accordance with clause 16.3 and during the period referred to in clause 15.1 that the Goods do not comply with the warranty in that clause; and
- b) SATRA is given a reasonable opportunity of examining such Goods; and
- c) the Client (if asked to do so by SATRA) returns such Goods to SATRA's place of business then SATRA will, at its option, repair or replace the defective Goods or refund the price of the defective Goods in full. SATRA reserves the right to repair the Goods at the Client's premises.
- 16.2 The Client must inspect all Goods upon delivery. Failure to do so may result in further charges being applied in the event of a return.
- 16.3 If Goods are found to be faulty, defective or damaged the Client must inform SATRA in writing as soon as reasonably possible and in any event within 10 working days of the fault, damage or defect being discovered.
- 16.4 Without prejudice to clause 16.1 if no notice of rejection has been received by SATRA within 3 months of delivery, the Client shall be deemed to have accepted the Goods.
- 16.5 SATRA will pay the reasonable costs of carriage, packaging and insurance for any defective Goods which are returned by the Client provided that SATRA is liable under clause 16.1 to repair or replace the defective Goods. If SATRA determines that the Goods are not defective or if SATRA is not liable to repair or replace the Goods due to the circumstances under clauses 16.6 or 16.7 then the Client will be responsible for the payment of such costs.
- 16.6 SATRA shall not be under any liability to repair or at its option replace or pay for the repair or replacement of any Goods which are found to be defective if:
- a) the defect is caused or substantially caused by wear and tear, overloading, misuse, neglect, modification or attempted modification carried out by any organisation other than by SATRA or their approved agents, or use with ancillary equipment not approved in writing by SATRA, or default in proper maintenance or cleaning; or
- b) the Client authorises or carries out any repair or replacement of any Goods without first affording SATRA a reasonable opportunity to replace or repair them; or
- c) the Client has breached any of the terms of the Contract under which the Goods were supplied; or
- d) the Goods have been manufactured to a design or specification or in compliance with other information provided by the Client and the defect has arisen as a result of that design, specification or information;
- 16.7 Where Goods or parts of Goods are not manufactured by SATRA then SATRA shall be liable for defects only to the extent that SATRA obtains redress from the manufacturer or supplier thereof provided that:
- a) SATRA shall not be obliged to take any step to attempt to obtain such redress except at the request and expense of the Client and upon provision by the Client of a full indemnity as to costs for which SATRA may thereby become liable;
- b) nothing in this condition 16.7 shall have effect as to impose upon SATRA any additional liability or obligations other than those referred to in condition 16.1.
- 16.8 Except as provided in clause 16.1 SATRA shall have no liability to the Client arising from any failure of the Goods to comply with the warranty in clause 15.1.



Comfort Rubber Gloves Industries Sdn.Bhd.
Ms. Nur Amira Mohd Yusoff
Lot 821 & 2209, Jalang Matang
34750 MATANG, TAIPING, PERAK
Maleisië



Your notice of
06-06-2017

Your reference

Date
23-08-2017

Analysis Report 17.03303.03

Required tests :
ISO 16604 (2004)

**Resistance to penetration by blood-borne pathogens – Test
method using Phi-X174 bacteriophage**

Identification number	Information given by the client	Date of receipt
T1712259	Nitrile Powder Free Examination Gloves - Product Type OCF40NBBL - Lot N° 70504M1510	06-06-2017

Hilde Rubben

Order responsible

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The results of the analysis cover the received samples. Centexbel is not responsible for the representativeness of the samples.
In assessing compliance with the specifications, we did not take into account the uncertainty on the test results.



Reference: T1712259 - Nitrile Powder Free Examination Gloves - Product Type OCF40NBBL - Lot N° 70504M1510

Resistance to penetration by blood-borne pathogens – Test method using Phi-X174 bacteriophage

Date of ending the test	21-06-2017
Standard used	ISO 16604 (2004)
Product standard	ISO 374-5 (2016)
Type of sample	Nitrile gloves
Dimension of the test specimens	7.5cm x 7.5cm
Number of test specimens	3
Sampling	1 test specimen per glove in the palm of hand
Paraffin-sealed edges	No
Test specimens conditioning	21 ± 5°C and 60 ± 10%RH The sample is not tested in conditioned area but directly after conditioning.
Sterilization	None
Pre treatment performed	None
Side in contact with the bacteriophage suspension	Outer side
Test procedure used	Procedure B (0 kPa 5 min + 14kPa 1 min + 0kPa 4 min - With screen)
Retaining screen specifications	Metal square mesh screen (open area >50%), limiting the deflection of the sample to ≤ 5.0 mm
Surface tension of the bacteriophage suspension	0.042 ± 0.002 N/m
Used bacteriophage	<i>Bacteriophage Phi-X 174</i> (ATCC13706-B1)
Host bacteria	<i>Escherichia coli</i> (ATCC 13706)
Compatibility ratio	2.6
Deviation from the standard	The measure of the thickness and the mass have not been done on the tested specimens.



Results

Test pressure 14 kPa

Test validity

Controls	Number of PFU/ml of assay fluid	Pass/Fail results
Negative control (polyester film)	< 1 (No penetration)	Pass
Positive control (microporous PE film)	Penetration	Fail

Environmental plate results 0 PFU on each settle plate

Bacteriophage concentration

Starting bacteriophage challenge titer (PFU/ml) 5.1 10⁸
Ending bacteriophage challenge titer (PFU/ml) 4.9 10⁸

Sample results

Test specimen	Number of PFU/ml of assay fluid	Pass/Fail results
#1	< 1 (No penetration)	Pass
#2	< 1 (No penetration)	Pass
#3	< 1 (No penetration)	Pass

Pass = no penetration of bacteriophages through the specimen
Fail = penetration of bacteriophages through the specimen

**COMFORT RUBBER GLOVES INDUSTRIES SDN BHD
LOT 821, JALAN MATANG, 34750 MATANG, PERAK.**

The following sample(s) was/were submitted and identified on behalf of the client(s) as:

POWDER FREE NITRILE EXAMINATION GLOVES

SGS Job No. : 2019-08-01-011
 Date of Sample Received : 01st Aug 2019
 Testing Period : 01st Aug 2019 – 09th Aug 2019

Test Requested : Please refer to the results summary

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

Result Summary :

Test Requested	Conclusion
Council of European Resolution AP (2004) 4	--
Rubber – Overall Migration	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 Results:

Testing as per Council of European Resolution AP (2004) 4

Rubber – Overall Migration

Method: With reference to EN 1186-1:2002 for selection of conditions and test methods;
 EN 1186-9:2002 aqueous food simulants by article filling method (1st Migration);
 EN 1186-14:2002 substitute test.

Simulant Used	Test Condition	Result (mg/dm ²)	Reporting Limit (mg/dm ²)	Permissible Limit (mg/dm ²)
3% Acetic Acid (W/V) Aqueous Solution	2 hours at 40°C	ND	3.0	10
10% Ethanol (V/V) Aqueous Solution	2 hours at 40°C	ND	3.0	10
20% Ethanol (V/V) Aqueous Solution	2 hours at 40°C	ND	3.0	10
50% Ethanol (V/V) Aqueous Solution	2 hours at 40°C	ND	3.0	10
Fatty food substitute				
95% Ethanol (V/V) Aqueous Solution	2 hours at 40°C	ND	3.0	10
Iso-octane	2 hours at 40°C	ND	3.0	10
Comment	--	PASS	--	--

Sample Description : **POWDER FREE NITRILE EXAMINATION GLOVES**

- Note :
1. mg/dm² = milligram per square decimeter
 2. °C = degree Celsius
 3. ND = Not Detected
 4. Permissible Limit is according to Council of European Resolution AP (2004) 4.

Remark:

1. Analytical tolerance of aqueous simulants is 2mg/dm² or 12mg/kg
2. Analytical tolerance of fatty food simulants is 3mg/dm² or 20mg/kg
3. Test condition & simulant were specified by client.

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 SGS (MALAYSIA) SDN BHD



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

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Sample Photo:



SGS authenticate the photo on the original report only

*** End of Report ***

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SGS (MALAYSIA) SDN BHD

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

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Report No : CRSSA/06470/16
Company : Messrs. SGS (Malaysia) Sdn. Bhd.
No. 26, Jalan Anggerik Vanilla 31/93, Kota Kemuning,
40460 Shah Alam, Selangor D.E.

TEST REPORT

Client : Comfort Rubber Gloves Industries Sdn. Bhd.
 Product Description : Powder Free Nitrile Examination Gloves – Blue
 Product Type : OCF35BL
 Lot No. : 60221M05-02
 Size : Medium
 Quantity Tested : 26 pieces
 Test Conducted : Tensile Strength & Ultimate Elongation
 Test Method : ASTM D6319-10
 Ageing : 70 ± 2 Deg C for 168 hrs
 Testing Period : 28 Mar 2016 – 07 Apr 2016

Size	Sample No.	<u>BEFORE AGEING</u>		<u>AFTER AGEING</u>	
		Tensile Strength (MPa)	Ultimate Elongation (%)	Tensile Strength (MPa)	Ultimate Elongation (%)
M	1	36.1	540	34.2	520
	2	33.1	540	32.3	500
	3	41.3	580	35.0	520
	4	33.9	540	37.7	540
	5	37.1	560	33.8	500
	6	31.6	520	39.8	540
	7	33.0	540	28.2	480
	8	33.3	540	38.1	540
	9	33.9	540	37.4	540
	10	33.1	520	38.7	540
	11	38.2	560	34.1	520
	12	35.9	540	34.0	520
	13	37.3	560	30.5	500
Requirements		14 min	500 min	14 min	400 min

SGS (MALAYSIA) SDN. BHD.



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Report No : CRSSA/06471/16
Company : Messrs. SGS (Malaysia) Sdn. Bhd.
No. 26, Jalan Anggerik Vanilla 31/93, Kota Kemuning,
40460 Shah Alam, Selangor D.E.

TEST REPORT

Client : Comfort Rubber Gloves Industries Sdn. Bhd.
Product Description : Powder Free Nitrile Examination Gloves – Blue
Product Type : OCF35BL
Lot No. : 60221M05-02
Size : Medium
Quantity Tested : 5 pieces
Test Conducted : Powder Content
Test Method : ASTM D 6319-10
Testing Period : 28 Mar 2016 – 07 Apr 2016

On testing the samples, the following results were obtained:-

<u>SIZE</u>	<u>Average Powder Mass per Glove</u>
M	1.04 mg

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May 18, 2016

• TEST REPORT •

PN 128129A

CHEMICAL ANALYTICAL SERVICES

Prepared For:
Comfort Rubber Gloves Industries Sdn. Bhd.
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Lot 821, Jalan Matang, Taiping
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*Certificate Numbers 255.01 & 255.02

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May 18, 2016

Sumathi Saravana Sami
Comfort Rubber Gloves Industries Sdn. Bhd.

Page 1 of 3 – PN 128129A

SUBJECT: Permeation testing per ASTM D 6978-05 on sample submitted by the above company.

RECEIVED: One blue glove sample identified as Powder Free Nitrile Examination Gloves – Blue; Product Type: OCF35BL; Lot# 60221M05-02.

TESTING CHEMOTHERAPY DRUGS:

Table 1. List of the Testing Chemotherapy Drugs, Sources, and Expiration Dates

TESTING CHEMOTHERAPY DRUGS	DRUG SOURCE
Carmustine (BCNU)	USP; Lot# F01274; Expiration 04/2017
Cisplatin	USP; Lot# J0L420; Expiration 08/2016
Cyclophosphamide (Cytoxan)	USP; Lot# R01530; Expiration 02/2017
Dacarbazine (DTIC)	Teva; Lot# 31317605B; Expiration 11/2016
Doxorubicin Hydrochloride	USP; Lot# L0K258; Expiration 06/2016
Etoposide (Toposar)	Teva; Lot# 31317608B; Expiration 02/2017
Fluorouracil	USP; Lot# I0G371; Expiration 09/2016
Paclitaxel (Taxol)	Hospira; Lot# B036865AA; Expiration 05/2016
Thiotepa	Sigma Aldrich; Lot# SLBM7142V; Expiration 12/2016

COLLECTION MEDIA:

The collection media, which were selected, are listed in Table 2.

Table 2. Collection Media for Testing Chemotherapy Drugs

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 mg/ml (20,000 ppm)	Distilled Water
Dacarbazine (DTIC), 10.0 mg/ml (10,000 ppm)	Distilled Water
Doxorubicin Hydrochloride, 2.0 mg/ml (2,000 ppm)	Distilled Water
Etoposide (Toposar), 20.0 mg/ml (20,000 ppm)	Distilled Water
Fluorouracil, 50.0 mg/ml (50,000 ppm)	9.20 pH Sodium Hydroxide Solution
Paclitaxel (Taxol), 6.0 mg/ml (6,000 ppm)	30% Methanol Aqueous Solution
Thiotepa, 10.0 mg/ml (10,000 ppm)	Distilled Water

TESTING CONDITIONS:

Standard Test Method Used:	ASTM D 6978-05
Deviation From Standard Test Method:	Used 1" Permeation Cell
Analytical Method:	UV/VIS Spectrometry
Testing Temperature:	35.0°C ± 2.0
Collection System:	Closed Loop
Specimen Area Exposed:	5.067 cm ²
Selected Data Points:	25/test
Number of Specimens Tested:	3/test
Location Sampled From:	Cuff area

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 at 11 ml/minute of flow rate 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 CHEMOTHERAPY DRUGS	WAVELENGTH (nm)
Carmustine (BCNU), 3.3 mg/ml (3,300 ppm)	229
Cisplatin, 1.0 mg/ml (1,000 ppm)	199
Cyclophosphamide (Cytoxan), 20 mg/ml (20,000 ppm)	200
Dacarbazine (DTIC), 10.0 mg/ml (10,000 ppm)	320
Doxorubicin Hydrochloride, 2.0 mg/ml (2,000 ppm)	232
Etoposide (Toposar), 20.0 mg/ml (20,000 ppm)	205
Fluorouracil, 50.0 mg/ml (50,000 ppm)	269
Paclitaxel (Taxol), 6.0 mg/ml (6,000 ppm)	231
Thiotepa, 10.0 mg/ml (10,000 ppm)	199

SAMPLE CHARACTERISTICS:

Table 4. Thickness characteristics for the tested specimens: Powder Free Nitrile Examination Gloves – Blue; Product Type: OCF35BL; Lot# 60221M05-02

Testing Chemotherapy Drugs	Thickness (mm)			Average (mm)	Weight/Unit Area (g/m ²)
	Sample 1	Sample 2	Sample 3		
Carmustine (BCNU)	0.052	0.054	0.054	0.053	55.3
Cisplatin	0.051	0.057	0.054	0.054	
Cyclophosphamide (Cytoxan)	0.053	0.054	0.054	0.054	
Dacarbazine (DTIC)	0.047	0.052	0.055	0.051	
Doxorubicin Hydrochloride	0.048	0.051	0.051	0.050	
Etoposide (Toposar)	0.051	0.055	0.055	0.054	
Fluorouracil	0.045	0.053	0.052	0.050	
Paclitaxel (Taxol)	0.049	0.051	0.053	0.051	
Thiotepa	0.052	0.055	0.053	0.053	

RESULTS:

Table 5. Permeation Test Results on: Powder Free Nitrile Examination Gloves – Blue; Product Type: OCF35BL; Lot# 60221M05-02

TEST CHEMOTHERAPY DRUG AND CONCENTRATION	MINIMUM BREAKTHROUGH DETECTION TIME (Specimen 1/2/3) (Minutes)	STEADY STATE PERM. RATE (Specimen 1/2/3) ($\mu\text{g}/\text{cm}^2/\text{minute}$)	OTHER OBSERVATIONS
Carmustine (BCNU) 3.3 mg/ml (3,300 ppm)	18.2 (18.2,24.6,18.6)	0.3 (0.3,0.3,0.4)	Moderate swelling and no degradation
Cisplatin 1.0 mg/ml (1,000 ppm)	No breakthrough up to 240 min.	N/A	Slight swelling and no degradation
Cyclophosphamide (Cytosan) 20 mg/ml (20,000 ppm)	No breakthrough up to 240 min.	N/A	Slight swelling and no degradation
Dacarbazine (DTIC) 10.0 mg/ml (10,000 ppm)	No breakthrough up to 240 min.	N/A	Slight swelling and no degradation
Doxorubicin Hydrochloride 2.0 mg/ml (2,000 ppm)	No breakthrough up to 240 min.	N/A	Slight swelling and no degradation
Etoposide (Toposar) 20.0 mg/ml (20,000 ppm)	No breakthrough up to 240 min.	N/A	Slight swelling and no degradation
Fluorouracil 50.0 mg/ml (50,000 ppm)	No breakthrough up to 240 min.	N/A	Slight swelling and no degradation
Paclitaxel (Taxol) 6.0 mg/ml (6,000 ppm)	No breakthrough up to 240 min.	N/A	Moderate swelling and no degradation
Thiotepa 10.0 mg/ml (10,000 ppm)	57.3 (80.7,57.3,69.4)	0.5 (0.4,0.5,0.5)	Slight swelling and no degradation



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