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17 May 2022

APPLICANT: GLOVETEX CO., LTD. (C32626)

Rd@glovetex.com

11 MOO 5 SOI KLONGMADUE
17 SETTHAKIJ RD., DONKAIDEE,
KRATHUMBAN
74110 SAMUTSAKORN
THAILAND

Date of receipt : 28 Apr. 2022
Testing period : 03 May 2022
: 17 May 2022

Buyer: ---

Style / Article no. : MICROTEx HI-CUT LONG
Test(s) requested : EN 388
Service : REGULAR
Brand / Section : ---
Season : ---
End use : ---
Factory name : ---
Factory code : ---

Previous report : ---
Product category : ---
Product type : ---
Test stage : FIRST TEST
Supplier name : ---
Exported to : ---

Environmental condition: 22°C, 65%RH

1. Conclusion:

	<u>Tests description</u>	<u>Conformity</u>
	EN 388:2016+A1:2018	
1	(+) Abrasion resistance: 2016	Level 3
2	(+) Cutting resistance TDM	Level C
3	(+) Tear strength resistance: 2016	Level 4

Pass: requirements met Fail: requirements not met None: no requirement for this test N/A: not applicable

(+) HOKLAS accredited activity

Approved by



John CHEUNG FAI CHEONG
Laboratory Supervisor

17 May 2022

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2. Sample(s) description assigned by laboratory:

<u>Size</u>	<u>Analyzed product</u>	<u>Description</u>	<u>Sample information</u>
	9 PAIRS OF GLOVES	Palm	Black/White



H220400522



H220400522A

The report is issued by CTC Asia Ltd. under its General Conditions printed overleaf. The sample(s) was provided by customer, and the results shown in this report refer only to the sample(s) as received and tested. Except by special arrangement, the test items will not be retained by CTC Asia Ltd. for more than 1 month. The test report shall not be reproduced, except in full, without the written approval of the testing laboratory.

CTC Asia Ltd. has been accredited by Hong Kong Accreditation Service (HKAS) under the Hong Kong Laboratory Accreditation Scheme (HOKLAS) for specific activities as listed in HOKLAS Directory of Accredited Laboratory available from its website (<http://www.hkas.gov.hk>).

To declare the conformity to the requirement, our laboratory used the decision rule of non-Binary statement with guard band. (see Appendix 1)

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3. 9 PAIRS OF GLOVES/

Palm : Black/White

	Method	Client Requirement	Unit	Result	Conformity
(+) 4.1. Abrasion resistance: 2016 used consumables - abrasive used consumables - adhesive Number of cycles at the hole detection Number of cycles at the hole detection (2) Number of cycles at the hole detection (3) Number of cycles at the hole detection (4) Performance level	EN 388:2016 + A1:2018			Klingspor PL31B Grit 180 3M Scotch 5200 6400 7000 >8000 3	
(+) 4.1. Cutting resistance TDM used consumables - blade Coefficient of variation Adjusted factor for blade with neoprene Mean cut length on neoprene for a load of 5.0 N Normalized cutting stroke lengths Normalized cutting stroke lengths (2) Normalized cutting stroke lengths (3) Normalized cutting stroke lengths (4) Normalized cutting stroke lengths (5) Mean normalized cutting stroke length Cut load adjusted for a cut length of 20 mm Level Performance	EN ISO 13997:1999		% mm mm mm mm mm mm N	Lot 16317 4.8 0.96 20.3 14.9 15.8 23.3 23.8 20.3 19.6 11.0 Level C	

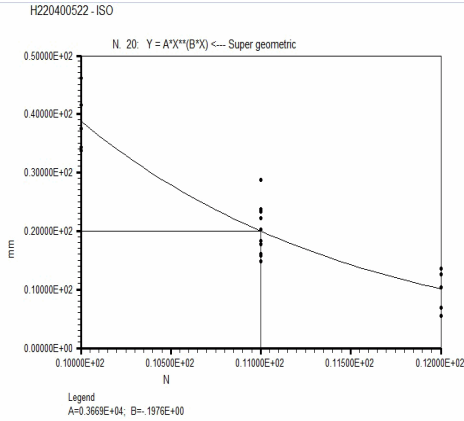
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	Method	Client Requirement	Unit	Result	Conformity
					
(+) 4.1. Tear strength resistance: 2016	EN 388:2016 + A1:2018				
Tear strength			N	200	
Tear strength (2)			N	200	
Tear strength (3)			N	200	
Tear strength (4)			N	200	
Performance level				4	

END OF TEST REPORT
(+) HOKLAS accredited activity

Table of Performance Level for Glove

Test Item	Performance Level					
	0 ^{##}	1	2	3	4	5
Abrasion Resistance (EN 388) Number of cycles (minimum)	<100	100	500	2000	8000	---
Tear Resistance (EN 388) Force (N) (minimum)	<10	10	25	50	75	---

Performance level 0 means the glove falls below the minimum performance level for the given individual hazard

Levels of performance for materials tested with EN ISO 13997

	Level A	Level B	Level C	Level D	Level E	Level F
6.3 TDM: cut resistance (N)	2	5	10	15	22	30

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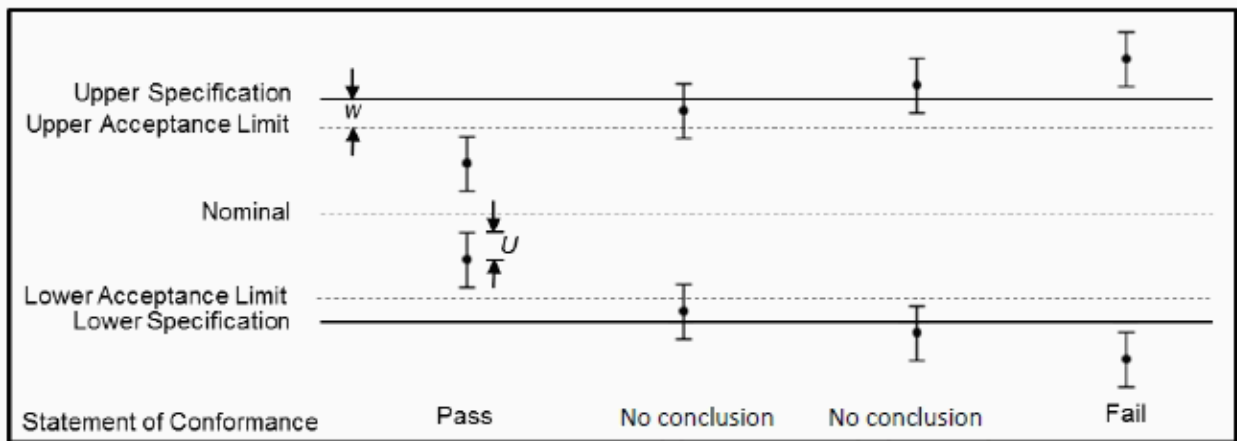
Appendix 1: Decision rule of CTC ASIA

For reports endorsed with HOKLAS accreditation symbol, when declaring the compliance to the specification, our laboratory will use the decision rule of non-Binary statement with guard band as below.

Statements of conformity are reported as:

- Pass - the measured result is below the acceptance limit, $AL = TL - w$.
- No conclusion - the measured result is inside the guard band and below the tolerance limit, in the interval $[TL - w, TL]$.
- No conclusion - the measured result is above the tolerance limit but below the tolerance limit added to the guard band, in the interval $[TL, TL + w]$.
- Fail - the measured result is above the tolerance limit added to the guard band, $TL + w$.

Note: AL = Acceptance Limit; TL = Tolerance/specification Limit; Guard band, $w = U$



$U = 95\%$ expanded measurement uncertainty