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22 July 2021

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**APPLICANT:** PROTECTIVE INDUSTRIAL PRODUCT  
(CHINA)LTD. 保威（上海）安全防护用品有限  
公司（C37051）

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上海市静安区天目西路218号嘉里不夜  
城1座3301室  
SHANGHAI  
CHINA

Date of receipt : 19 July 2021  
Testing period : 19 July 2021  
: 22 July 2021

**Buyer:** ---

Order no. : 21-0037  
Style / Article no. : 16-561-EN  
Test(s) requested : EN ISO 13997 CUT test  
Service : REGULAR  
Brand / Section : ---  
Season : ---  
End use : ---  
Factory name : ---  
Factory code : ---  
Environmental condition: 22°C, 65%RH

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

**1. Conclusion:**

	Tests description	Conformity
	<b>EN 388</b>	
1	(+) Cutting resistance TDM	Level D

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

22 July 2021

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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>
	3 PAIRS OF GLOVES	Palm with coating	White/Black w/black coating



H210701375



H210701375A

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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)

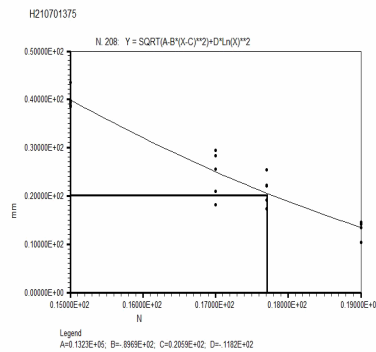
22 July 2021

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### 3. 3 PAIRS OF GLOVES/

Palm with coating : White/Black w/black coating

	Method	Client Requirement	Unit	Result	Conformity
(+) <b>4.1. Cutting resistance TDM</b>	EN ISO 13997:1999			Lot 146	
used consumables - blade					
Coefficient of variation			%	3.9	
Adjusted factor for blade with neoprene				0.74	
Mean cut length on neoprene for a load of 5.0 N			mm	29.7	
Normalized cutting stroke lengths			mm	22.2	
Normalized cutting stroke lengths (2)			mm	25.4	
Normalized cutting stroke lengths (3)			mm	19.1	
Normalized cutting stroke lengths (4)			mm	17.4	
Normalized cutting stroke lengths (5)			mm	22.1	
Mean normalized cutting stroke length			mm	21.2	
Cut load adjusted for a cut length of 20 mm			N	17.7	
Level Performance				Level D	



**END OF TEST REPORT**  
(+) HOKLAS accredited activity

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

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**Levels of performance for materials tested with EN ISO 13997**

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

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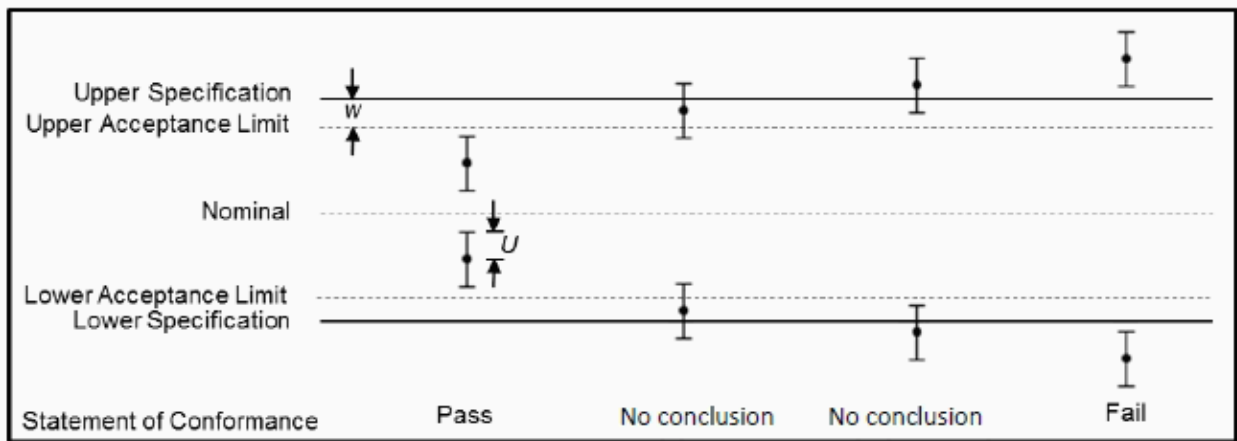
Appendix 1: Decision rule of CTC ASIA

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

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