



# TEST REPORT

91855 xv

RM 1801-02, TOWER B, REGENT CENTRE,  
63 WO YI HOP ROAD, KWAI CHUNG,  
NEW TERRITORIES, HONG KONG  
TEL: (852) 2429 7022 FAX: (852) 2429 7266  
ctcasia@ctcgroupe.com

Report No.: 05165-09

September 1, 2009

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**APPLICANT:**  
Espomega S.A.DE C.V

Mr. David Shapiro  
DEPT: HEAD OFFICE  
Pablo A Gonzalez Garza 820 Pte Col Chepevera  
Monterrey N.L Mexico 64030

Test(s) requested : REFERENCE REPORT      Product Category : --      Product Type : --

Sample description: 56-340: Green latex coated on jersey cotton liner gloves, open back, knitted wrist, crinkle finished.

Style / Article no.	: 56-340	Buyer	: --
Ref no.	: --	Exported to	: --
Order no.	: --	Date of receipt of application form	: Aug 27, 2009
		Date of receipt of sample	: Jul 2, 2009 Jul 25, 2009
Supplier	: --	Testing period	: August 27, 2009 – September 1, 2009
Number of sample(s)	: 8 PAIRS OF GLOVES	Service required	: REGULAR

### 1. Conclusion:

Testing	Result	Combine / Separate Test Item(s)	Failed Test Item(s)
▲ Abrasion resistance of glove	Level 2	(S01)	---
● Blade cut resistance of glove	Level 1	(S02)	---
● Tear resistance of glove	Level 2	(S01)	---
● Puncture resistance of glove	Level 1	(S01)	---

- The test result is originated from report 04095B-09
- ▲ The test result is originated from report 04538-09

Please refer to page 3 test result table.

Approved by

John Cheung Fai Cheong  
Assistant Laboratory Supervisor



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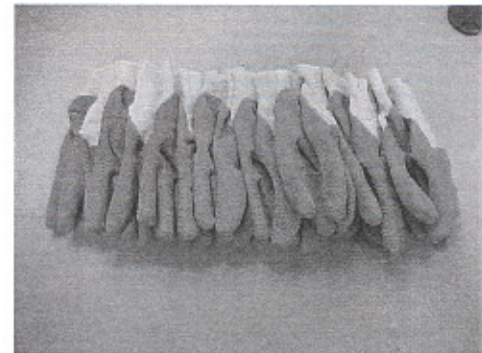
## 2. Label(s) on the sample(s):

Sample(s)	ID	Size	Style/Art. No.	Sub-sample(s)	Component(s)	Colour
(01)	i	--	56-340	(a)	Glove	Green/Beige
(01)	ii	--	56-340	(a)	Glove	Green/Beige
(01)	iii	--	56-340	(a)	Glove	Green/Beige
(01)	iv	--	56-340	(a)	Glove	Green/Beige
(01)	v	--	56-340	(a)	Glove	Green/Beige
(01)	vi	--	56-340	(a)	Glove	Green/Beige
(01)	vii	--	56-340	(a)	Glove	Green/Beige
(01)	viii	--	56-340	(a)	Glove	Green/Beige

Remarks: (1) ID is used for identification in which the numbers of sample received are of the same article, ref. no., colour, etc.

## 3. Sample(s) description assigned by laboratory:

Test item	Sample(s)	Combine / Separate sub-sample(s)
(S01)	(01)-i+ii	(a)
(S02)	(01)-iii	(a)



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#### 4. Test Results :

TEST METHOD		Test item(s) (S01)		Requirement	P/F
1 ▲	<b>Abrasion resistance of glove<sup>#</sup></b> (NF EN 388:2004 §6.1) Lowest value of four tests : Performance Level :	798 2			
2 ●	<b>Tear resistance of glove<sup>#</sup></b> (NF EN 388:2004 §6.3) Lowest value of four tests (N): Performance Level :	28 2		--- ---	--- ---
3 ●	<b>Puncture resistance of glove<sup>#</sup></b> (NF EN 388:2004 §6.4) Lowest value of four tests (N): Performance Level :	23 1		--- ---	--- ---

TEST METHOD		Test item(s) (S02)		Requirement	P/F	
		Index (I)				
4 ●	<b>Blade cut resistance of glove<sup>#</sup></b> (NF EN 388:2004 §6.2) Sequence	Test 1	Test 2	---	---	
		1	1.6			1.9
		2	1.7			1.8
		3	1.7			1.7
		4	1.4			1.7
		5	1.2			1.7
		Average (I):	1.5			1.8
Lowest average value ( I ) :	1.5		---	---		
Performance Level :	1		---	---		

● The test result is originated from report 04095B-09.

▲ The test result is originated from report 04538-09.

**# Table of Performance Level for Glove**

Test Item	Performance Level					
	0 <sup>##</sup>	1	2	3	4	5
<b>Abrasion Resistance (NF EN 388:2004 §6.1)</b> Number of cycles (minimum)	< 100	100	500	2000	8000	---
<b>Blade Cut Resistance (NF EN 388:2004 §6.2)</b> Index (I) (minimum)	< 1.2	1.2	2.5	5.0	10.0	20.0
<b>Tear Resistance (NF EN 388:2004 §6.3)</b> Force (N) (minimum)	< 10	10	25	50	75	---
<b>Puncture Resistance (NF EN 388:2004 §6.4)</b> Force (N) (minimum)	< 20	20	60	100	150	---

<sup>##</sup> Performance level 0 means the glove falls below the minimum performance level for the given individual hazard.

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