



# TEST REPORT



RM 1801-02, 1808 & RM 2010,  
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Report No.: 03559-11

July 18, 2011

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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 :** EN 388 TESTS      **Product Category :** --      **Product Type :** --  
**Sample description:** 87-402, Derma Lite, SOLID NITRILE COATED GLOVE, FULLY DIPPED WITH INTERLOCK LINER AND KNIT WRIST.

<b>Style / Article no.</b> :	87-402, Derma Lite	<b>Buyer</b> :	--
<b>Ref no.</b> :	--	<b>Exported to</b> :	--
<b>Order no.</b> :	--	<b>Date of receipt of application form</b> :	Jul 7, 2011
		<b>Date of receipt of sample</b> :	Jul 7, 2011
<b>Supplier</b> :	--	<b>Testing period</b> :	July 7, 2011 – July 18, 2011
<b>Number of sample(s)</b> :	8 PAIRS OF GLOVES	<b>Service required</b> :	REGULAR

### 1. Conclusion:

Testing	Result	Combine / Separate Test Item(s)	Failed Test Item(s)
Abrasion resistance of glove	Level 3	(S01)	---
Blade cut resistance of glove	Level 1	(S02)	---
Tear resistance of glove	Level 1	(S01)	---
Puncture resistance of glove	Level 1	(S01)	---

The abrasion resistance got level 3; the blade cut, tear and puncture resistances all got level 1 according to EN 388 standard.

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	--	87-402, Derma Lite	(a)	Glove	Blue/Beige
(01)	ii	--	87-402, Derma Lite	(a)	Glove	Blue/Beige
(01)	iii	--	87-402, Derma Lite	(a)	Glove	Blue/Beige
(01)	iv	--	87-402, Derma Lite	(a)	Glove	Blue/Beige
(01)	v	--	87-402, Derma Lite	(a)	Glove	Blue/Beige
(01)	vi	--	87-402, Derma Lite	(a)	Glove	Blue/Beige
(01)	vii	--	87-402, Derma Lite	(a)	Glove	Blue/Beige
(01)	viii	--	87-402, Derma Lite	(a)	Glove	Blue/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 #</b> (NF EN 388:2004 §6.1) Lowest value of four tests : Performance Level :	5,000 3		---	---
2	<b>Tear resistance of glove #</b> (NF EN 388:2004 §6.3) Lowest value of four tests (N): Performance Level :	11 1		---	---
3	<b>Puncture resistance of glove #</b> (NF EN 388:2004 §6.4) Lowest value of four tests (N): Performance Level :	22 1		---	---

TEST METHOD		Test item(s) (S02)		Requirement	P/F	
4	<b>Blade cut resistance of glove #</b> (NF EN 388:2004 §6.2) Sequence	Index (I)		---	---	
		Test 1	Test 2			
		1	1.6			1.6
		2	2.2			1.4
		3	2.3			1.5
		4	2.0			1.9
5	2.4	2.1				
	Average (I):	2.1	1.7	---	---	
	Lowest average value ( I ) :	1.7		---	---	
	Performance Level :	1		---	---	

# 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.

**- End of report -**

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