



# TEST REPORT

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Report N°: L170100898\_1

02/06/2017

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**CLIENT :** CESTUSLINE INC (C34766)

**Folder n° :** L170100898  
**Client request :** QUOTATION L170100693  
**Received date :** 01/18/2017  
**Analysis starting date :** 01/18/2017  
**Analysis ending date :** 02/06/2017

13818 NE AIRPORT WAY  
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UNITED STATES

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Lyon, 02/06 /2017

## GLOVES REFERENCE DEEP III PRO SIZES 07 (S) TO XXL (11)

### 1. Folder data:

Submitting : J. CHOI

### 2. Conclusion:

The tests performed in this report passed the requirements.

Approved by

Maryse GARCEAU  
Lab Manager



L170100898

## Sample description:

Palm : microfiber black 0.8 + polyurethane red 1.2

Forchette : microfiber black

Knuckle protection : rubber black/yellow 1.5 mm

Back : nylon yellow 0.8

Cuff : microfiber black

Binding : microfiber black



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TEST ON : DEEP III PRO/

Whole glove: Sizes 07 to 11

EN 420	Method	Requirement	Unit	Result	Conformity
(+)	EN 420:2003+A1:2009				
Lenght of glove size 7		>= 230	mm	240	YES
Lenght of glove size 8		>= 240	mm	245	YES
Lenght of glove size 9		>= 250	mm	255	YES
Lenght of glove size 10		>= 260	mm	260	YES
Lenght of glove size 11		>= 270	mm	270	YES
(+)	EN 420:2003+A1:2009				
Smallest diameter of pin fulfilling test condition (1)			mm	5 mm	
Smallest diameter of pin fulfilling test condition (2)			mm	5 mm	
Smallest diameter of pin fulfilling test condition (3)			mm	5 mm	
Smallest diameter of pin fulfilling test condition (4)			mm	5 mm	
Performance level				5	

## Palm

EN 388	Method	Requirement	Unit	Result	Conformity
(+) <b>6.1. Abrasion resistance : 2016</b>	EN 388 : 2016				
Deviation from the test method used consumables - abrasive				No	
used consumables - adhesive				Klingspor PL31B Grit 180	
Number of cycles at the hole detection				3M rouge n°1	
Number of cycles at the hole detection (2)				2000	
Number of cycles at the hole detection (3)				2000	
Number of cycles at the hole detection (4)				2000	
Performance level				3	
(+) <b>6.2. Cut resistance : 2016</b>	EN 388 : 2016				
Deviation from the test method used consumables - canvas				No	
used consumables - blade				LEM 6	
C1				OLFA	
T1				RB45	
1C1				1,2	
I1				60,0	
C2				29,5	
T2				4,9	
1C2				NA	
I2				NA	
C3				NA	
T3				NA	
1C3				NA	

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To declare the conformity to the requirement, the uncertainty of measurement, associated to the test results, has not been taken into account.



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EN 388	Method	Requirement	Unit	Result	Conformity
I3				NA	
C4				NA	
T4				NA	
1C4				NA	
I4				NA	
C5				NA	
T5				NA	
1C5				NA	
I5				NA	
Mean value of test piece 1				NA	
C1 bis				NA	
T1 bis				NA	
2C1bis				NA	
I1 bis				NA	
C2 bis				NA	
T2 bis				NA	
2C2bis				NA	
I2 bis				NA	
C3 bis				NA	
T3 bis				NA	
2C3bis				NA	
I3 bis				NA	
C4 bis				NA	
T4 bis				NA	
2C4bis				NA	
I4 bis				NA	
C5 bis				NA	
T5 bis				NA	
2C5bis				NA	
I5 bis				NA	
Mean value of test piece 2				NA	
Considered value				NA	
Performance level				NA	
Observation				First sequence Cn + 1 is greater than 3xCn, passage in EN 13997.	
<b>(+) 6.3. Cutting resistance TDM</b>	EN ISO 13997:1999				
used consumables - blade				Boite 152	
used consumables - neoprene				Ref 25	
Coefficient of variation			%	3,4	
Adjusted factor for blade with neoprene				0,72	
Mean cut length on neoprene for a load of 5.0 N			mm	27,7	
Normalized cutting stroke lengths			mm	14,8	
Normalized cutting stroke lengths (2)			mm	19,4	
Normalized cutting stroke lengths (3)			mm	31,6	

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EN 388	Method	Requirement	Unit	Result	Conformity	
Normalized cutting stroke lengths (4)	EN 388 : 2016		mm	20,2		
Normalized cutting stroke lengths (5)			mm	18,0		
Mean normalized cutting stroke length			mm	20,8		
Cut load adjusted for a cut length of 20 mm			N	22,2		
Level Performance				E		
(+) <b>6.4. Tear strength resistance: 2016</b>						
Tear strength				N	653	
Tear strength (2)				N	360	
Tear strength (3)				N	267	
Tear strength (4)				N	527	
Performance level				4		
(+) <b>6.5. Puncture resistance: 2016</b>	EN 388 : 2016					
Puncture resistance			N	187		
Puncture resistance (2)			N	255		
Puncture resistance (3)			N	175		
Puncture resistance (4)			N	205		
Performance level					4	

## Back

EN 388	Method	Requirement	Unit	Result	Conformity	
(+)	EN 13594: 2015					
The protection recovers 4 phalanxes				Yes		
Cracks, deterioration of the glove or the appearance of sharp edges				No		
Tear of the chamois leather				No		
Strength transmitted under an energy of 5 joules - Test 1			$\leq 9$	kN	6,70	YES
Strength transmitted under an energy of 5 joules - Test 2			$\leq 9$	kN	6,80	YES
Strength transmitted under an energy of 5 joules - Test 3			$\leq 9$	kN	6,20	YES
Strength transmitted under an energy of 5 joules - Test 4			$\leq 9$	kN	6,50	YES
Mean Strength transmitted under an energy of 5 joules			$\leq 7$	kN	6,6	YES

**END OF TEST REPORT**

(+) COFRAC accreditation