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Report No.: S170709055_1

02 August 2017

APPLICANT: KORECA CO LTD (C33967)

#1093-2 WORAM-DONG, DALSEO-GU,
DAEGU

Date of receipt : 25 July 2017

Testing period : 02 Aug. 2017

: 02 Aug. 2017

Buyer: —

Reference no. : Handmax gloves, nylon, NBR coating, 18 gauge

Test(s) requested : —

Service : REGULAR

Brand / Section : —

Season : —

End use : —

Factory name : —

Factory code : —

For CE Marking : Yes

Previous report : —

Product category : —

Product type : —

Test stage : FIRST TEST

Supplier name : —

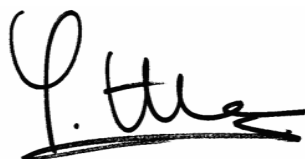
Exported to : —

1. Conclusion:

	Tests description	Conformity
	EN 388/EN 420	
1	Abrasion resistance : 2016	Level 4
2	Cut resistance : 2016	Level 1
3	Tear strength resistance: 2016	Level 2
4	Puncture resistance: 2016	Level 1
5	pH - Textile (KCl solution)	Pass
6	Sizing	None
7	Dexterity	Level 5

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

Approved by



Henry YAN

Laboratory Supervisor



Tony SHU

Chemical lab supervisor

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2. Sample(s) description assigned by laboratory:

Size	Analyzed product	Description	Sample information
	Glove	Whole glove Black palm Blue back Blue/green cuff	



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3. Glove/

Whole glove

	Method	Client Requirement	Unit	Result	Conformity
(+) 5.1.2. Sizing	EN 420:2003+A1:2009				
Size				7	
Total length of the glove			mm	230	
(+) 5.2. Dexterity	EN 420:2003+A1:2009				
Smallest diameter of the pin picked up			mm	5.0	
Performance Level				5	

Black palm

	Method	Client Requirement	Unit	Result	Conformity
(+) 4.1. Abrasion resistance : 2016	EN 388 : 2016				
Deviation from the test method				No	
used consumables - abrasive				Klingspor PL31B Grit 180	
used consumables - adhesive				3M Scotch	
Number of cycles at the hole detection				>8000	
Number of cycles at the hole detection (2)				>8000	
Number of cycles at the hole detection (3)				>8000	
Number of cycles at the hole detection (4)				>8000	
Performance level				4	
(+) 4.1. Cut resistance : 2016	EN 388 : 2016				
Deviation from the test method				No	
used consumables - canvas				LEM 6	
used consumables - blade				OLFA RB45	
C1				1.3	
T1				0.1	
1C1				1.2	
I1				1.1	
C2				1.2	
T2				0.2	
1C2				1.2	

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	Method	Client Requirement	Unit	Result	Conformity
I2				1.2	
C3				1.2	
T3				0.2	
1C3				1.4	
I3				1.2	
C4				1.4	
T4				0.3	
1C4				1.1	
I4				1.2	
C5				1.1	
T5				0.2	
1C5				1.1	
I5				1.2	
Mean value of test piece 1				1.2	
C1 bis				1.1	
T1 bis				0.1	
2C1bis				1.1	
I1 bis				1.1	
C2 bis				1.1	
T2 bis				0.2	
2C2bis				1.1	
I2 bis				1.2	
C3 bis				1.1	
T3 bis				0.2	
2C3bis				1.1	
I3 bis				1.2	
C4 bis				1.1	
T4 bis				0.4	
2C4bis				1.2	
I4 bis				1.3	
C5 bis				1.2	
T5 bis				0.5	
2C5bis				1.1	
I5 bis				1.4	

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	Method	Client Requirement	Unit	Result	Conformity
Mean value of test piece 2				1.2	
Considered value				1.2	
Performance level				1	
				No comment	
(+) 4.1. Tear strength resistance: 2016	EN 388 : 2016				
Tear strength			N	27	
Tear strength (2)			N	29	
Tear strength (3)			N	29	
Tear strength (4)			N	31	
Performance level				2	
(+) 4.1. Puncture resistance: 2016	EN 388 : 2016				
Puncture resistance			N	29	
Puncture resistance (2)			N	23	
Puncture resistance (3)			N	25	
Puncture resistance (4)			N	21	
Performance level				1	
(+) 4.3.2. pH - Textile (KCl solution)	EN ISO 3071:2006				Pass
pH value		3.5< - <9.5		7.1	

Blue back

	Method	Client Requirement	Unit	Result	Conformity
(+) 4.3.2. pH - Textile (KCl solution)	EN ISO 3071:2006				Pass
pH value		3.5< - <9.5		6.7	

Blue/green cuff

	Method	Client Requirement	Unit	Result	Conformity
(+) 4.3.2. pH - Textile (KCl solution)	EN ISO 3071:2006				Pass
pH value		3.5< - <9.5		7.0	

END OF TEST REPORT

(+)CNAS accreditation

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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	---
Blade Cut Resistance (EN 388) Index (I) (minimum)	<1.2	1.2	2.5	5.0	10.0	20.0
Tear Resistance (EN 388) Force (N) (minimum)	<10	10	25	50	75	---
Puncture Resistance (EN 388) Force (N) (minimum)	<20	20	60	100	150	---
Dexterity (EN 420) Diameter of pin (in mm)	---	11.0	9.5	8.0	6.5	5.0

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

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