

## TEST REPORT

COMPANY NAME: MECDEX (LIBERMANN INTERNATIONAL) Report No.: FTL-231/081017

ADDRESS

HARRAR, WAZIRABAD ROAD,

TRF No.:

FTL-231/081017

Date In: 8<sup>th</sup> Oct 2017

Date Out: 8<sup>th</sup> Oct 2017

Date Out: 12<sup>th</sup> Oct 2017

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Ali Anwar

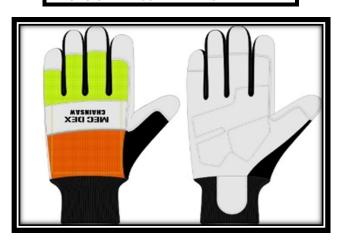
Ali Anwar

No. Of Working Days: 04 Days
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**TEL:** +92 52 3252201-2 **Pretest for Buyer** Not Listed **FAX:** +92 52 3252208

Sample Description:	Chainsaw Gloves				
Color(s):	White/Hi-Vis Orange/Hi Vis Yellow				
GSM / Thickness:					
Production Gate Pass (PGP):	Not Listed				
Article No(s):	CS-811 (Cutter)				
Reference:	Not Listed				
Quantity Submitted:	06 Pairs				
Country of Destination:	Europe				
Customer:	Not Listed				
End Use:	Gloves				
Submitted Fiber Content:	Not Listed				
Test Requested:	EN: 388, EN: 420, ANSI/ISEA 105-11				
Submitted Care Instruction:	Not Listed				

## PHOTO OF THE SUBMITTED SAMPLE



FIRST TESTING LAB AUTHORIZED SIGNATORIES

Test Conducted by

Test Checked by

Approved by

Please Contact:

For any Technical Issues: Mr. Rehan Qamar

Tel: +92 52 3252201 – 05 Fax: +92 52 3252208

Email: <a href="mailto:lab@nizamsons.com">lab@libermann.com</a>



## SUMMARY OF TEST RESULTS

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TEST PROPERTY	Standard Method	Results	Comments
ABRASION RESISTANCE	BS: EN: 388	Level-3	
BLADE CUT RESISTANCE	BS: EN: 388	Level-1	
TEAR RESISTANCE	BS: EN: 388	Level-2	
PUNCTURE RESISTANCE	BS: EN: 388	Level-2	
DEXTERITY	BS: EN: 420	Level-5	
BLADE CUT RESISTANCE	ANSI/ISEA 105-11	Level-1	
PUNCTURE RESISTANCE	ANSI/ISEA 105-11	Level-3	
ABRASION RESISTANCE	ANSI/ISEA 105-11	Level-3	

Parameter	According to EN:388: 2016	Test Requirement		Test Results	Remarks
Abrasion Resistance (Cycles)  Tested – Palm Portion Used abradant: Klingspor PL 31 B	Clause 6.1	Level of Performance  1 2 3 4	Number of Cycles 100 500 2000 8000	2200 Cycles	Compiles with Level -3
Blade Cut Resistance (i)  Tested – All Layers Together. Blade Thickness – 0.3 mm Angle of Blade – 24°	Clause 6.2	Level of Performance  1 2 3 4 5	1.2 2.5 5.0 10.0 20.0	Average 1 – 1.8 Average 2 – 1.9	Level-1
Tear Resistance (Newton)  Tested – All Layers Together.	Clause 6.4	Level of Performance  1 2 3 4	Strength (N)  10 25 50 75	45.50 Newton	Level-2
Puncture Resistance (Newton)  Tested – All Layers Together	Clause 6.5	Level of Performance  1 2 3 4	20 60 100 150	69.23 Newton	Level-2

The specified performance levels only valid for the palm area.



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Parameter	According to EN:420:2003	Test Ro	equirement	Test Results	Remarks
Sizing in millimeters (mm)	Clause 5.1			Lab Analysis  Small  Length of Glove-230 Hand Length- 175 Circumference- 190 Size 7  Medium  Length of Glove-240 Hand Length- 185 Circumference- 215 Size 8  Large Length of Glove-250 Hand Length- 200 Circumference- 225 Size 9  X-Large Length of Glove-260 Hand Length- 210 Circumference- 235 Size 10  XX-Large Length of Glove-270 Hand Length- 215 Circumference- 245 Size 11  XXX-Large Length of Glove-280 Hand Length- 225 Circumference- 255 Size 11  Output  In the property of th	PASS
Dexterity in millimeters (mm)	Clause 5.2	Level of Performance  1 2 3 4 5	Diameter of Pins (mm)  11  9.5  8  6.5  5	Pin – 5 mm	Level-5



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Parameter	According to ANSI/ISEA 105-11	Test Require	ment	Test Results	Remarks
Blade Cut Resistance	Clause 1	Level of Performance  0 1 2 3 4 5	Strength (grams) < 200 ≥ 200 ≥ 500 ≥ 1000 ≥ 1500 ≥ 3500	> 200 grams	Level-1
Puncture Resistance (Newton)  Tested – All Layers Together	Clause 2	Level of Performance  0 1 2 3 4 5	Strength (Newton)  < 10  ≥ 10  ≥ 20  ≥ 60  ≥ 100  ≥ 150	69.23 Newton	Level-3
Abrasion Resistance (Cycles)  Tested – Material of Palm  Used Abrasive wheel: H-18	Clause 3	Level of Performance With 500 grams 0 1 2 3 With 1000 gram 4 5	< 100 ≥ 100 ≥ 500 ≥ 1000	1600 Cycles	Compiles with Level-3

The above specified result valid for glove model.