

TEST REPORT

COMPANY NAME:	MECDEX	Report No.:	FTL-432/101019
ADDRESS	LIBERMANN International P.O Box-1166 Harrar, Wazirabad Road, Sialkot-51310, Pakistan	TRF No.:	FTL-432/101019
EMAIL:	ali.anwar@libermann.com	Date In:	10 th Oct 2019
ATTN:	Ali Anwar	Date Out:	17 th Oct 2019
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FAX:	+92 52 3252208	Page:	1 of 4
		Pretest for Buyer	Not Listed

Sample Description:	Sharp Handler – A5 Impact & Sharp Handler – A5 Gloves
Color(s):	Hi-Viz Yellow/Black
Lab Id Color(S):	Hi-Viz Yellow/Black
P.O. No(s):	Not Listed
Article No(s):	UD-831 & UD-832
Season:	Not Listed
Quantity Submitted:	10 Pairs
Country of Origin:	Pakistan
Country of Destination:	Europe
Dept:	Not Listed
End Use:	Not Listed

Submitted Fiber Content:	Not Listed
Multi Layers	13-Gauge High Performance Cut Level E Resistance Shell + Foam Nitrile Coated Palm
Test Requested:	EN 388: 2016 + A1: 2018, EN 420: 2003 + A1: 2009
Submitted Care Instruction:	Not Listed
Suggested Care Instruction:	Not Listed

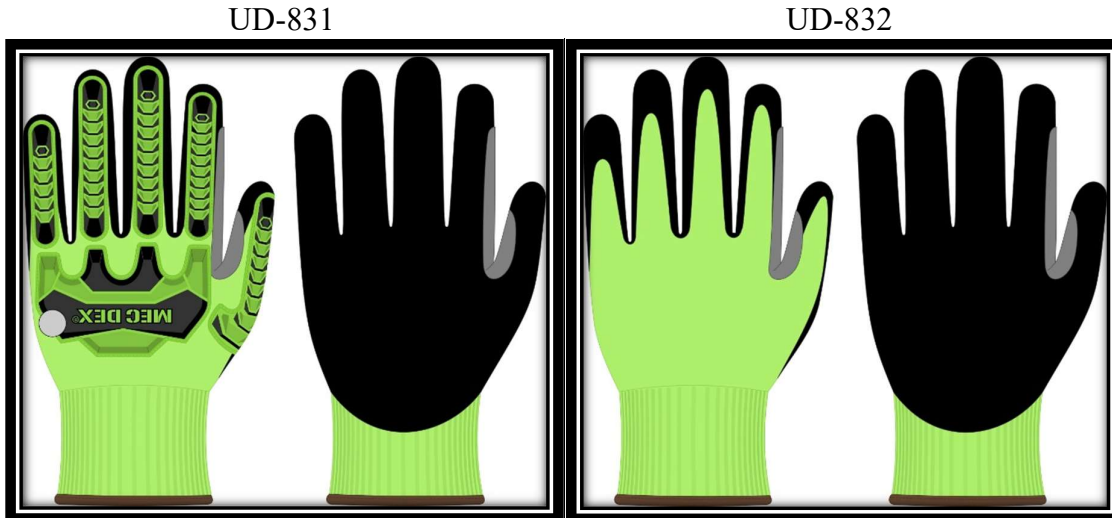
If Retest

Previous Report No.:	Not Listed
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If Revision

Reason For Revision	Not Listed
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PHOTO OF THE SUBMITTED SAMPLE



Require Tests & Detail

Test Name:	
Abrasion Resistance	EN 388: 2016 + A1: 2018
Blade Cut	EN 388: 2016 + A1: 2018
Tear Resistance	EN 388: 2016 + A1: 2018
Puncture Resistance	EN 388: 2016 + A1: 2018
TDM CUT Resistance	EN 388: 2016 + A1: 2018
Impact Resistance	EN 388: 2016 + A1: 2018
Sizing	BS EN 420: 2003 + A1: 2009
Dexterity	BS EN 420: 2003 + A1: 2009

**FIRST TESTING LAB
AUTHORIZED SIGNATORIES**

A. Basif
Test Conducted by

Rehan Qamar
Test Checked by

[Signature]
Approved By

Please Contact:

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SUMMARY OF TEST RESULTS

TEST PROPERTY	Standard Method	Results	Comments
ABRASION RESISTANCE	EN 388: 2016 + A1: 2018	Level-4	
BLADE CUT RESISTANCE	EN 388: 2016 + A1: 2018	Level-5	
TEAR RESISTANCE	EN 388: 2016 + A1: 2018	Level-4	
PUNCTURE RESISTANCE	EN 388: 2016 + A1: 2018	Level-3	
TDM CUT RESISTANCE	EN 388: 2016 + A1: 2018	Level-E	
IMPACT RESISTANCE	EN 388: 2016 + A1: 2018	Level-2	
SIZING	BS EN 420: 2003 + A1: 2009	Pass	
DEXTERITY	BS EN 420: 2003 + A1: 2009	Level-5	

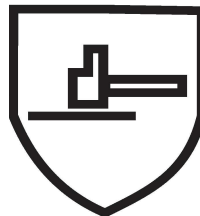
Parameter	EN 388: 2016 + A1: 2018	Test Requirement		Test Results	Remarks
Abrasion Resistance (Cycles) Tested – Palm Portion Used abradant: Klingspor PL 31 B	Clause 6.1	Level of Performance	Number of Cycles	> 8000 Cycles	Compiles with Level – 4
		1	100		
		2	500		
		3	2000		
		4	8000		
Blade Cut Resistance (<i>i</i>) <i>Tested</i> – Palm <i>Blade Thickness</i> – 0.3 mm <i>Angle of Blade</i> – 24°	Clause 6.2	Level of Performance	Index (<i>i</i>)	> 20 Index	Level-5
		1	≥ 1.2		
		2	≥ 2.5		
		3	≥ 5.0		
		4	≥ 10.0		
Tear Resistance (Newton) Tested – All Layers	Clause 6.4	Level of Performance	Strength (N)	> 75 Newton	Level-4
		1	10		
		2	25		
		3	50		
		4	75		
Puncture Resistance (Newton) Tested – Palm All Layers Together	Clause 6.5	Level of Performance	Strength (N)	> 100 Newton	Level-3
		1	20		
		2	60		
		3	100		
		4	150		
TDM: Cut Resistance (N)	Clause 6.3	Level of Performance	Index (<i>i</i>)	> 22 & < 30 Index	Level-E
		A	2		
		B	5		
		C	10		
		D	15		
		E	22		
Impact Resistance (N)	Clause 6.3	Level	Value KN	1.0 KN Index	Level-2
		Level-1 (Single)	≤ 9.0		
		Level-1 (Mean)	≤ 7.0		

The specified performance levels are valid for only the palm area of this glove.

Parameter	EN 420: 2003 + A1: 2009	Test Requirement	Test Results	Remarks
Sizing in millimeters (mm)	Clause 5.1	Size	Lab Analysis	PASS
		Submitted Size: Small, Medium, Large, X-Large, XX-Large, XXX-Large	<p><u>Small</u> Length of Glove-230 Circumference- 190 Size 7</p> <p><u>Medium</u> Length of Glove-240 Circumference- 215 Size 8</p> <p><u>Large</u> Length of Glove-250 Circumference- 225 Size 9</p> <p><u>X-Large</u> Length of Glove-260 Circumference- 235 Size 10</p> <p><u>XX-Large</u> Length of Glove-270 Circumference- 245 Size 11</p> <p><u>XXX-Large</u> Length of Glove-280 Circumference- 255 Size 11</p>	
Dexterity in millimeters (mm)	Clause 5.2	Level of Performance	5 mm Pin	Level-5
		Diameter of Pins (mm)		
		1		
		2		
		3		
		4		
		5		

The above specified results are valid for only this glove model.

EN 388



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“End of Report”