

# TEST REPORT

<b>COMPANY NAME:</b>	MECDEX	<b>Report No.:</b>	FTL-441/101019
<b>ADDRESS</b>	LIBERMANN International P.O Box-1166 Harrar, Wazirabad Road, Sialkot-51310, Pakistan	<b>TRF No.:</b>	FTL-439/101019
<b>EMAIL:</b>	ali.anwar@libermann.com	<b>Date In:</b>	10 <sup>th</sup> Oct 2019
<b>ATTN:</b>	Ali Anwar	<b>Date Out:</b>	17 <sup>th</sup> Oct 2019
<b>TEL:</b>	+92 52 3252201-2	<b>No. Of Working Days:</b>	07 Days
<b>FAX:</b>	+92 52 3252208	<b>Page:</b>	1 of 4
		<b>Pretest for Buyer</b>	Not Listed

<b>Sample Description:</b>	COUNTER QUIVER Gloves
<b>Color(s):</b>	Black /Orange
<b>Lab Id Color(S):</b>	Black /Orange
<b>P.O. No(s):</b>	Not Listed
<b>Article No(s):</b>	PR-892
<b>Season:</b>	Not Listed
<b>Quantity Submitted:</b>	10 Pairs
<b>Country of Origin:</b>	Pakistan
<b>Country of Destination:</b>	Europe
<b>Dept:</b>	Not Listed
<b>End Use:</b>	Not Listed

<b>Submitted Fiber Content:</b>	Not Listed
<b>Multi Layers</b>	FR Goatskin Leather + Spandex fabric +TPRs
<b>Test Requested:</b>	EN 388: 2016 + A1: 2018, EN 420: 2003 + A1: 2009
<b>Submitted Care Instruction:</b>	Not Listed
<b>Suggested Care Instruction:</b>	Not Listed

#### If Retest

<b>Previous Report No.:</b>	Not Listed
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#### If Revision

<b>Reason For Revision</b>	Not Listed
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**PHOTO OF THE SUBMITTED SAMPLE**



**Require Tests & Detail**

**Test Name:**

Abrasion Resistance  
Blade Cut  
Tear Resistance  
Puncture Resistance  
TDM CUT Resistance  
Impact Resistance  
Sizing  
Dexterity

EN 388: 2016 + A1: 2018  
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EN 388: 2016 + A1: 2018  
EN 388: 2016 + A1: 2018  
BS EN 420: 2003 + A1: 2009  
BS EN 420: 2003 + A1: 2009

**FIRST TESTING LAB  
AUTHORIZED SIGNATORIES**

  
Test Conducted by

  
Test Checked by

  
Approved By

**Please Contact:**

For any Technical Issues: Mr. Rehan Qamar  
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**SUMMARY OF TEST RESULTS**

TEST PROPERTY	Standard Method	Results	Comments
ABRASION RESISTANCE	EN 388: 2016 + A1: 2018	Level-3	
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 Test	EN 388: 2016 + A1: 2018	Level-B	
SIZING	BS EN 420: 2003 + A1: 2009	Pass	
DEXTERITY	BS EN 420: 2003 + A1: 2009	Level-3	

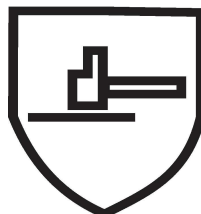
Parameter	EN388:2016+A1:2018	Test Requirement		Test Results	Remarks
Abrasion Resistance (Cycles)  Tested – Palm Portion <b>Used abradant:</b> Klingspor PL 31 B	Clause 6.1	<b>Level of Performance</b>	<b>Number of Cycles</b>	2650 Cycles	Compiles with Level – 3
		1	100		
		<b>2</b>	<b>500</b>		
		3	2000		
		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	<b>Level of Performance</b>	<b>Index (<i>i</i>)</b>	> 25 Index	Level-5
		<b>1</b>	<b>≥ 1.2</b>		
		2	≥ 2.5		
		3	≥ 5.0		
		4	≥ 10.0		
5	≥ 20.0				
Tear Resistance (Newton)  <b>Tested</b> – All Layers	Clause 6.4	<b>Level of Performance</b>	<b>Strength (N)</b>	> 75 Newton	Level-4
		1	10		
		<b>2</b>	<b>25</b>		
		3	50		
		4	75		
Puncture Resistance (Newton)  <b>Tested</b> – Palm All Layers Together	Clause 6.5	<b>Level of Performance</b>	<b>Strength (N)</b>	>100 & <150 Newton	Level-3
		<b>1</b>	<b>20</b>		
		2	60		
		3	100		
		4	150		

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	<b>Size</b>	<b>Lab Analysis</b>	PASS
		Submitted Size: Small, Medium, Large, X-Large, XX-Large, XXX-Large	<p><b><u>Small</u></b> Length of Glove-175 Circumference- 190 Size 7</p> <p><b><u>Medium</u></b> Length of Glove-191 Circumference- 210 Size 8</p> <p><b><u>Large</u></b> Length of Glove-210 Circumference- 231 Size 9</p> <p><b><u>X-Large</u></b> Length of Glove-220 Circumference- 262 Size 10</p> <p><b><u>XX-Large</u></b> Length of Glove-226 Circumference- 288 Size 11</p> <p><b><u>XXX-Large</u></b> Length of Glove-242 Circumference- 305 Size 11</p>	
Dexterity in millimeters (mm)	Clause 5.2	<b>Level of Performance</b>	8 mm Pin	Level-3
		<b>Diameter of Pins (mm)</b>		
		1		
		2		
		3		
		4		
		5		

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

## EN 388



**3 5 4 3 BP**

“End of Report”