

# TEST REPORT

|                      |                                                                                            |                                    |                      |
|----------------------|--------------------------------------------------------------------------------------------|------------------------------------|----------------------|
| <b>COMPANY NAME:</b> | MECDEX                                                                                     | <b>Report No.:</b>                 | FTL-1471/230823      |
| <b>ADDRESS</b>       | LIBERMANN International<br>P.O Box-1166 Harrar, Wazirabad<br>Road, Sialkot-51310, Pakistan | <b>TRF No.:</b>                    | -                    |
| <b>EMAIL:</b>        | ali.anwar@libermann.com                                                                    | <b>Date In:</b>                    | 23- Aug 2023         |
| <b>ATTN:</b>         | Ali Anwar                                                                                  | <b>Date Out:</b>                   | 26- Aug 2023         |
| <b>TEL:</b>          | +92 52 3252201-up to 5                                                                     | <b>No. Of Working Days:</b>        | 03 Days              |
| <b>FAX:</b>          | +92 52 3252208                                                                             | <b>Pretest for Buyer</b>           | Not Listed           |
|                      |                                                                                            | <b>Temperature &amp; Humidity:</b> | 23°C ± 2 53 ± 5% R.H |

|                                |                      |
|--------------------------------|----------------------|
| <b>Sample Description:</b>     | Winter Tasker Gloves |
| <b>Color(s):</b>               | Tan Brown & White    |
| <b>Lab Id Color(S):</b>        | -                    |
| <b>P.O. No(s):</b>             | -                    |
| <b>Article No(s):</b>          | WN-882               |
| <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>                   | -                    |
| <b>End Use:</b>                | -                    |

|                                    |                                                           |
|------------------------------------|-----------------------------------------------------------|
| <b>Submitted Fiber Content:</b>    | -                                                         |
| <b>Multi Layers</b>                | WR Goat Leather + Micro Fleece Fabric                     |
| <b>Test Requested:</b>             | EN 388: 2016 + A1: 2018, EN ISO 21420: 2020, EN 511: 2006 |
| <b>Submitted Care Instruction:</b> | -                                                         |
| <b>Suggested Care Instruction:</b> | -                                                         |

PHOTO OF THE SUBMITTED SAMPLE



EN388: 2016 +A1:2018



3 1 2 2 X

EN511:2006



1 2 X

FIRST TESTING LAB  
AUTHORIZED SIGNATORIES

  
**Test Conducted by**

  
**Test Checked by**

  
**Approved By**

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-1 |          |
| TEAR RESISTANCE            | EN 388: 2016 + A1: 2018 | Level-2 |          |
| PUNCTURE RESISTANCE        | EN 388: 2016 + A1: 2018 | Level-2 |          |
| SIZING                     | EN ISO 21420:2020       | Pass    |          |
| DEXTERITY                  | EN ISO 21420:2020       | Level-5 |          |
| CONVECTIVE COLD RESISTANCE | EN 511: 2006            | Level-1 |          |
| CONTACT COLD RESISTANCE    | EN 511: 2006            | Level-2 |          |
| WATER PENETRATION          | EN 511: 2006            | Level-X |          |

Test Results:

| Parameter                                                                                                                  | Test Requirement of EN 388: 2016 + A1: 2018                                                                                                                                                                                                       |  | Test Results         | Remarks          |   |       |   |       |   |       |   |        |                      |                         |                    |         |
|----------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------|------------------|---|-------|---|-------|---|-------|---|--------|----------------------|-------------------------|--------------------|---------|
| 6.1 Abrasion Resistance (Cycles)<br><br>Tested – Palm Portion<br><b>Used abradant:</b><br>Klingspor PL 31 B                | <table><tr><th>Level of Performance</th><th>Number of Cycles</th></tr><tr><td>1</td><td>100</td></tr><tr><td>2</td><td>500</td></tr><tr><td>3</td><td>2000</td></tr><tr><td>4</td><td>8000</td></tr></table>                                      |  | Level of Performance | Number of Cycles | 1 | 100   | 2 | 500   | 3 | 2000  | 4 | 8000   | >2000 & <8000 Cycles | Compiles with Level – 3 |                    |         |
| Level of Performance                                                                                                       | Number of Cycles                                                                                                                                                                                                                                  |  |                      |                  |   |       |   |       |   |       |   |        |                      |                         |                    |         |
| 1                                                                                                                          | 100                                                                                                                                                                                                                                               |  |                      |                  |   |       |   |       |   |       |   |        |                      |                         |                    |         |
| 2                                                                                                                          | 500                                                                                                                                                                                                                                               |  |                      |                  |   |       |   |       |   |       |   |        |                      |                         |                    |         |
| 3                                                                                                                          | 2000                                                                                                                                                                                                                                              |  |                      |                  |   |       |   |       |   |       |   |        |                      |                         |                    |         |
| 4                                                                                                                          | 8000                                                                                                                                                                                                                                              |  |                      |                  |   |       |   |       |   |       |   |        |                      |                         |                    |         |
| 6.2 Blade Cut Resistance (i)<br><br><b>Tested</b> – Palm<br><i>Blade Thickness – 0.3 mm</i><br><i>Angle of Blade – 24°</i> | <table><tr><th>Level of Performance</th><th>Index (i)</th></tr><tr><td>1</td><td>&gt; 1.2</td></tr><tr><td>2</td><td>≥ 2.5</td></tr><tr><td>3</td><td>≥ 5.0</td></tr><tr><td>4</td><td>≥ 10.0</td></tr><tr><td>5</td><td>≥ 20.0</td></tr></table> |  | Level of Performance | Index (i)        | 1 | > 1.2 | 2 | ≥ 2.5 | 3 | ≥ 5.0 | 4 | ≥ 10.0 | 5                    | ≥ 20.0                  | > 1.2 & >2.5 Index | Level-1 |
| Level of Performance                                                                                                       | Index (i)                                                                                                                                                                                                                                         |  |                      |                  |   |       |   |       |   |       |   |        |                      |                         |                    |         |
| 1                                                                                                                          | > 1.2                                                                                                                                                                                                                                             |  |                      |                  |   |       |   |       |   |       |   |        |                      |                         |                    |         |
| 2                                                                                                                          | ≥ 2.5                                                                                                                                                                                                                                             |  |                      |                  |   |       |   |       |   |       |   |        |                      |                         |                    |         |
| 3                                                                                                                          | ≥ 5.0                                                                                                                                                                                                                                             |  |                      |                  |   |       |   |       |   |       |   |        |                      |                         |                    |         |
| 4                                                                                                                          | ≥ 10.0                                                                                                                                                                                                                                            |  |                      |                  |   |       |   |       |   |       |   |        |                      |                         |                    |         |
| 5                                                                                                                          | ≥ 20.0                                                                                                                                                                                                                                            |  |                      |                  |   |       |   |       |   |       |   |        |                      |                         |                    |         |
| 6.4 Tear Resistance (Newton)<br><br><b>Tested</b> – All Layers                                                             | <table><tr><th>Level of Performance</th><th>Strength (N)</th></tr><tr><td>1</td><td>10</td></tr><tr><td>2</td><td>25</td></tr><tr><td>3</td><td>50</td></tr><tr><td>4</td><td>75</td></tr></table>                                                |  | Level of Performance | Strength (N)     | 1 | 10    | 2 | 25    | 3 | 50    | 4 | 75     | >10 & < 25 Newton    | Level-2                 |                    |         |
| Level of Performance                                                                                                       | Strength (N)                                                                                                                                                                                                                                      |  |                      |                  |   |       |   |       |   |       |   |        |                      |                         |                    |         |
| 1                                                                                                                          | 10                                                                                                                                                                                                                                                |  |                      |                  |   |       |   |       |   |       |   |        |                      |                         |                    |         |
| 2                                                                                                                          | 25                                                                                                                                                                                                                                                |  |                      |                  |   |       |   |       |   |       |   |        |                      |                         |                    |         |
| 3                                                                                                                          | 50                                                                                                                                                                                                                                                |  |                      |                  |   |       |   |       |   |       |   |        |                      |                         |                    |         |
| 4                                                                                                                          | 75                                                                                                                                                                                                                                                |  |                      |                  |   |       |   |       |   |       |   |        |                      |                         |                    |         |
| 6.5 Puncture Resistance (Newton)<br><br><b>Tested</b> – Palm All Layers Together                                           | <table><tr><th>Level of Performance</th><th>Strength (N)</th></tr><tr><td>1</td><td>20</td></tr><tr><td>2</td><td>60</td></tr><tr><td>3</td><td>100</td></tr><tr><td>4</td><td>150</td></tr></table>                                              |  | Level of Performance | Strength (N)     | 1 | 20    | 2 | 60    | 3 | 100   | 4 | 150    | >20 & <60 Newton     | Level-2                 |                    |         |
| Level of Performance                                                                                                       | Strength (N)                                                                                                                                                                                                                                      |  |                      |                  |   |       |   |       |   |       |   |        |                      |                         |                    |         |
| 1                                                                                                                          | 20                                                                                                                                                                                                                                                |  |                      |                  |   |       |   |       |   |       |   |        |                      |                         |                    |         |
| 2                                                                                                                          | 60                                                                                                                                                                                                                                                |  |                      |                  |   |       |   |       |   |       |   |        |                      |                         |                    |         |
| 3                                                                                                                          | 100                                                                                                                                                                                                                                               |  |                      |                  |   |       |   |       |   |       |   |        |                      |                         |                    |         |
| 4                                                                                                                          | 150                                                                                                                                                                                                                                               |  |                      |                  |   |       |   |       |   |       |   |        |                      |                         |                    |         |

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

| Parameter                                      | Test Requirement EN ISO 21420: 2020                                                                                                                                                                                                       |  | Test Results                                                                                                                                           | Remarks               |   |    |   |     |   |   |   |     |   |   |         |      |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|---|----|---|-----|---|---|---|-----|---|---|---------|------|
| 5.1 Sizing                                     | Size                                                                                                                                                                                                                                      |  | Lab Analysis                                                                                                                                           | PASS                  |   |    |   |     |   |   |   |     |   |   |         |      |
|                                                | Submitted Size: Small, Medium, Large, X-Large, XX-Large, XXX-Large                                                                                                                                                                        |  | ➤ Hand Length:<br>All gloves meet the requirements of standard method.<br><br>➤ Circumference:<br>All gloves meet the requirements of standard method. |                       |   |    |   |     |   |   |   |     |   |   |         |      |
| 5.2 Dexterity<br>Pin sizes in millimeters (mm) | <table><tr><th>Level of Performance</th><th>Diameter of Pins (mm)</th></tr><tr><td>1</td><td>11</td></tr><tr><td>2</td><td>9.5</td></tr><tr><td>3</td><td>8</td></tr><tr><td>4</td><td>6.5</td></tr><tr><td>5</td><td>5</td></tr></table> |  | Level of Performance                                                                                                                                   | Diameter of Pins (mm) | 1 | 11 | 2 | 9.5 | 3 | 8 | 4 | 6.5 | 5 | 5 | Level-5 | Pass |
| Level of Performance                           | Diameter of Pins (mm)                                                                                                                                                                                                                     |  |                                                                                                                                                        |                       |   |    |   |     |   |   |   |     |   |   |         |      |
| 1                                              | 11                                                                                                                                                                                                                                        |  |                                                                                                                                                        |                       |   |    |   |     |   |   |   |     |   |   |         |      |
| 2                                              | 9.5                                                                                                                                                                                                                                       |  |                                                                                                                                                        |                       |   |    |   |     |   |   |   |     |   |   |         |      |
| 3                                              | 8                                                                                                                                                                                                                                         |  |                                                                                                                                                        |                       |   |    |   |     |   |   |   |     |   |   |         |      |
| 4                                              | 6.5                                                                                                                                                                                                                                       |  |                                                                                                                                                        |                       |   |    |   |     |   |   |   |     |   |   |         |      |
| 5                                              | 5                                                                                                                                                                                                                                         |  |                                                                                                                                                        |                       |   |    |   |     |   |   |   |     |   |   |         |      |

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

Test Results:

| Parameter                  | EN 511: 2006 | Test Requirement     |                                    | Test Results                                          | Remarks               |
|----------------------------|--------------|----------------------|------------------------------------|-------------------------------------------------------|-----------------------|
| Convective Cold Resistance | Clause 1     | Level of Performance | Thermal Insulation I <sub>TR</sub> | > 0.10 I <sub>TR</sub><br>&<br>< 0.15 I <sub>TR</sub> | Level-1               |
|                            |              | 0                    | < 0.10                             |                                                       |                       |
|                            |              | 1                    | ≥ 0.10 <0.15                       |                                                       |                       |
|                            |              | 2                    | ≥ 0.15 <0.22                       |                                                       |                       |
|                            |              | 3                    | ≥ 0.22 <0.30                       |                                                       |                       |
|                            |              | 4                    | ≥ 0.30 I <sub>TR</sub>             |                                                       |                       |
| Contact Cold Resistance    | Clause 2     | Level of Performance | Thermal Resistance R(m²K/W)        | > 0.50 & < 0.100<br>R(m²K/W)                          | Level-2               |
|                            |              | 0                    | < 0.25 R                           |                                                       |                       |
|                            |              | 1                    | ≥ 0.25 <0.50                       |                                                       |                       |
|                            |              | 2                    | ≥ 0.50 <0.100                      |                                                       |                       |
|                            |              | 3                    | ≥ 0.100 <0.150                     |                                                       |                       |
|                            |              | 4                    | ≥ 0.150 R                          |                                                       |                       |
| Water Penetration          | Clause 3     | Level of Performance | Water Penetration                  | -                                                     | Compiles with Level-X |
|                            |              | 0                    | Yes                                |                                                       |                       |
|                            |              | 1                    | No                                 |                                                       |                       |

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

“End of Report”