



# BACA<sup>®</sup> Cargo Trousers

Code: **TR4220**

**28-46  
sizes**



*These trousers are made from a durable polycotton fabric, that is double stitched as standard & triple stitched in all key stress points.*

- 250gsm, 65% polyester, 35% cotton
- Triple-stitched on main seams for extra strength
- Multiple pockets with extra strong lining
- Semi-elasticated waistband for comfortable wear
- Heavy-duty, non-scratch stud fastening
- Internal knee pad pockets
- Quality YKK Zip
- Takes 779 Knee Pad (not supplied)
- Sizes: 30-40-S, 28-46 R, 32-42 T



FIRST TESTING LAB

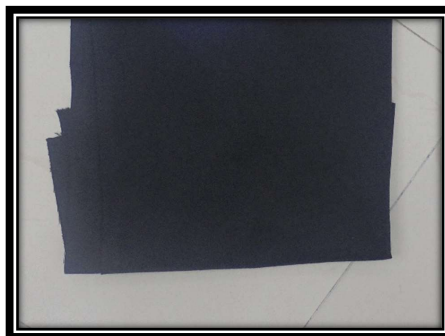
Report No. FTL-003/020526

## TEST REPORT

|                                 |                          |                               |                                                                                  |
|---------------------------------|--------------------------|-------------------------------|----------------------------------------------------------------------------------|
| <b>COMPANY NAME:</b>            | Nizamsons (Pvt.) Ltd.    | <b>Sample Receiving Date:</b> | 02-05-2026                                                                       |
| <b>Customer</b>                 | Pakki Kotli, Toorabad,   | <b>Testing dates:</b>         | 03-05-202                                                                        |
| <b>ADDRESS:</b>                 | Daska road, Sialkot-Pak. | <b>Report Issue Date:</b>     | 05-05-2026                                                                       |
| <b>Department/<br/>Customer</b> | Marketing N-3            | <b>Tel.</b>                   | +92 52 3252201-05                                                                |
| <b>Contact Person</b>           | Mr. Salman Arshad        | <b>Email:</b>                 | <a href="mailto:salman.arshad@nizamalam.group">salman.arshad@nizamalam.group</a> |

|                         |                                                                                                                                                                                                                                               |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Buyer:                  | BACA                                                                                                                                                                                                                                          |
| Sample Description:     | Twill Zean Fabric                                                                                                                                                                                                                             |
| Color(s):               | Black                                                                                                                                                                                                                                         |
| GSM / Thickness:        | 250 GSM                                                                                                                                                                                                                                       |
| Manufacturer:           | Nizamsons (Pvt.) Ltd                                                                                                                                                                                                                          |
| Article no.:            | TR4220/TR4145                                                                                                                                                                                                                                 |
| PO no.:                 | -                                                                                                                                                                                                                                             |
| Composition:            | 65% Poly 35% Cotton                                                                                                                                                                                                                           |
| Quantity Submitted:     | 01 meter                                                                                                                                                                                                                                      |
| Country of Destination: | Pakistan                                                                                                                                                                                                                                      |
| End Use:                | Garments                                                                                                                                                                                                                                      |
| Test Requested:         | Dimensional changes after washings, Tensile strength-strip Method of fabric, Trouser Shaped Tear, Color fastness to washing, Color fastness to crocking, Color fastness to perspiration in Alkaline and acid, Pilling and Abrasion resistance |
| Special instructions:   | Shrinkage after 05 washes @ 40 degree                                                                                                                                                                                                         |

### Digital Image of Tested Samples



FIRST TESTING LAB  
AUTHORIZED SIGNATORIES

*A. Basif*  
**Prepared by**

*Rehan*  
**Reviewed by**

*[Signature]*  
**Approved by**

Please Contact:  
For any Technical Issues: Mr. Mohsin Bashir / Rehan Qamar

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Web: [www.mecdex.com/page/first-testing-lab.html](http://www.mecdex.com/page/first-testing-lab.html)

Tel.: +92 52 3252201-05  
Ext.: 175  
Fax: +92 52 3252208-09



Report No. FTL-003/020526

**TEST RESULTS**

| Sr# | Parameter                                                  | Test Method      | Unit | Results |        |
|-----|------------------------------------------------------------|------------------|------|---------|--------|
| 1   | Dimensional changes after washing at 40°C                  | ISO 6330/5077    | %    | Warp    | -0.3%  |
|     |                                                            |                  |      | Weft    | -0.5%  |
| 2   | Tensile strength-Strip Method                              | ISO 13934-1:2014 | N    | Warp    | 875.71 |
|     |                                                            |                  |      | Weft    | 406.62 |
| 3   | Determination of tear resistance (Trousers shape specimen) | ISO 13937-2:2000 | N    | Warp    | 39.06  |
|     |                                                            |                  |      | Weft    | 40.26  |

| Sr# | Parameter                         | Test Method           | Unit              | Results         |     |
|-----|-----------------------------------|-----------------------|-------------------|-----------------|-----|
| 4   | Crock Test (Dry)                  | BS EN ISO 105x12:2002 | Grey Scale Rating | 4-5             |     |
|     | Crock Test (Wet)                  |                       |                   | 3-0             |     |
| 5   | Color Fastness to Washing (40 °C) | BS EN ISO 105 C06     | Grey Scale Rating | Color Change    | 4-5 |
|     |                                   |                       |                   | <b>Staining</b> |     |
|     |                                   |                       |                   | Acetate         | 4-5 |
|     |                                   |                       |                   | Cotton          | 4-5 |
|     |                                   |                       |                   | Nylon           | 4-5 |
|     |                                   |                       |                   | Polyester       | 4-5 |
|     |                                   |                       |                   | Acrylic         | 4-5 |
|     |                                   |                       |                   | Wool            | 4-5 |

| Sr#  | Parameter                                       | Test Method        | Unit              | Results                                |     |          |
|------|-------------------------------------------------|--------------------|-------------------|----------------------------------------|-----|----------|
| 6    | Color Fastness to Perspiration                  | (ISO 105 E04:2013) | Grey Scale Rating | Color Change:                          | 4-5 | 4-5      |
|      |                                                 |                    |                   | Staining (Alkaline)                    |     | (Acidic) |
|      |                                                 |                    |                   | Acetate                                | 4-0 | 4-0      |
|      |                                                 |                    |                   | Cotton                                 | 4-0 | 4-0      |
|      |                                                 |                    |                   | Nylon                                  | 4-0 | 4-0      |
|      |                                                 |                    |                   | Polyester                              | 4-0 | 4-0      |
|      |                                                 |                    |                   | Acrylic                                | 4-0 | 4-0      |
| Wool | 4-0                                             | 4-0                |                   |                                        |     |          |
| 7    | Pilling Resistance (Modified Martindale Method) | ISO 12945-2        | rubs              | Pilling after 5000 rubs                |     | 4-0      |
|      |                                                 |                    |                   | Fuzzing after 5000 rubs                |     | 4-0      |
| 8    | Abrasion Resistance                             | ISO12947-2         | rubs              | Load on specimen                       |     | 9 kPa    |
|      |                                                 |                    |                   | The sample didn't break at 35,000 rubs |     |          |

**Measurement Uncertainty and Decision Rule:**

The Measurement Uncertainty is based on standard uncertainty multiplied by a coverage factor of K=2 at confidence level of 95%.

- ☒ Statement of conformity not shared with customer as specifications limits/ requirements are not provided by the client.  
☐ Measured value by including its associated uncertainty meets customer requirements, and sample conform with its requirements.  
☐ Measured value by including its associated uncertainty does not meet customer requirements, and hence sample does not conform.

**Please Note that:**

- This test report is based on the particular sample supplied by the customer. The retention period of the sample is 90 days after the date of analysis.
- Sampling has not been performed by the FTL representatives.
- Report isn't valid for any negotiation. This report is not valid for court

*End of Report*



FIRST TESTING LAB

Report No. FTL-004/020526

## TEST REPORT

|                                 |                          |                               |                                                                                  |
|---------------------------------|--------------------------|-------------------------------|----------------------------------------------------------------------------------|
| <b>COMPANY NAME:</b>            | Nizamsons (Pvt.) Ltd.    | <b>Sample Receiving Date:</b> | 02-05-2026                                                                       |
| <b>Customer</b>                 | Pakki Kotli, Toorabad,   | <b>Testing dates:</b>         | 03-05-202                                                                        |
| <b>ADDRESS:</b>                 | Daska road, Sialkot-Pak. | <b>Report Issue Date:</b>     | 05-05-2026                                                                       |
| <b>Department/<br/>Customer</b> | Marketing N-3            | <b>Tel.</b>                   | +92 52 3252201-05                                                                |
| <b>Contact Person</b>           | Mr. Salman Arshad        | <b>Email:</b>                 | <a href="mailto:salman.arshad@nizamalam.group">salman.arshad@nizamalam.group</a> |

|                         |                                                                                                                                                                                                                                               |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Buyer:                  | BACA                                                                                                                                                                                                                                          |
| Sample Description:     | Twill Zean Fabric                                                                                                                                                                                                                             |
| Color(s):               | Navy                                                                                                                                                                                                                                          |
| GSM / Thickness:        | 250 GSM                                                                                                                                                                                                                                       |
| Manufacturer:           | Nizamsons (Pvt.) Ltd                                                                                                                                                                                                                          |
| Article no.:            | TR4220/TR4145                                                                                                                                                                                                                                 |
| PO no.:                 | -                                                                                                                                                                                                                                             |
| Composition:            | 65% Poly 35% Cotton                                                                                                                                                                                                                           |
| Quantity Submitted:     | 01 meter                                                                                                                                                                                                                                      |
| Country of Destination: | Pakistan                                                                                                                                                                                                                                      |
| End Use:                | Garments                                                                                                                                                                                                                                      |
| Test Requested:         | Dimensional changes after washings, Tensile strength-strip Method of fabric, Trouser Shaped Tear, Color fastness to washing, Color fastness to crocking, Color fastness to perspiration in Alkaline and acid, Pilling and Abrasion resistance |
| Special instructions:   | Shrinkage after 05 washes @ 40 degree                                                                                                                                                                                                         |

### Digital Image of Tested Samples



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**Prepared by**

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| Sr# | Parameter                                                  | Test Method      | Unit | Results |        |
|-----|------------------------------------------------------------|------------------|------|---------|--------|
| 1   | Dimensional changes after washing at 40°C                  | ISO 6330/5077    | %    | Warp    | -0.33% |
|     |                                                            |                  |      | Weft    | 0.0%   |
| 2   | Tensile strength-Strip Method                              | ISO 13934-1:2014 | N    | Warp    | 890.25 |
|     |                                                            |                  |      | Weft    | 480.13 |
| 3   | Determination of tear resistance (Trousers shape specimen) | ISO 13937-2:2000 | N    | Warp    | 38.32  |
|     |                                                            |                  |      | Weft    | 41.24  |

| Sr# | Parameter                         | Test Method           | Unit              | Results         |     |
|-----|-----------------------------------|-----------------------|-------------------|-----------------|-----|
| 4   | Crock Test (Dry)                  | BS EN ISO 105x12:2002 | Grey Scale Rating | 4-5             |     |
|     | Crock Test (Wet)                  |                       |                   | 3-4             |     |
| 5   | Color Fastness to Washing (40 °C) | BS EN ISO 105 C06     | Grey Scale Rating | Color Change    | 4-5 |
|     |                                   |                       |                   | <b>Staining</b> |     |
|     |                                   |                       |                   | Acetate         | 4-5 |
|     |                                   |                       |                   | Cotton          | 4-5 |
|     |                                   |                       |                   | Nylon           | 4-5 |
|     |                                   |                       |                   | Polyester       | 4-5 |
|     |                                   |                       |                   | Acrylic         | 4-5 |
|     |                                   |                       |                   | Wool            | 4-5 |

| Sr#  | Parameter                                       | Test Method        | Unit              | Results                                |     |          |
|------|-------------------------------------------------|--------------------|-------------------|----------------------------------------|-----|----------|
| 6    | Color Fastness to Perspiration                  | (ISO 105 E04:2013) | Grey Scale Rating | Color Change:                          | 4-5 | 4-5      |
|      |                                                 |                    |                   | Staining (Alkaline)                    |     | (Acidic) |
|      |                                                 |                    |                   | Acetate                                | 4-0 | 4-0      |
|      |                                                 |                    |                   | Cotton                                 | 4-0 | 4-0      |
|      |                                                 |                    |                   | Nylon                                  | 4-0 | 4-0      |
|      |                                                 |                    |                   | Polyester                              | 4-0 | 4-0      |
|      |                                                 |                    |                   | Acrylic                                | 4-0 | 4-0      |
| Wool | 4-0                                             | 4-0                |                   |                                        |     |          |
| 7    | Pilling Resistance (Modified Martindale Method) | ISO 12945-2        | rubs              | Pilling after 5000 rubs                |     | 4-0      |
|      |                                                 |                    |                   | Fuzzing after 5000 rubs                |     | 4-0      |
| 8    | Abrasion Resistance                             | ISO12947-2         | rubs              | Load on specimen                       |     | 9 kPa    |
|      |                                                 |                    |                   | The sample didn't break at 35,000 rubs |     |          |

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