



# Product Carbon Footprint Calculation Results

02/03/2025 - 16:16

| Product | SKU                 |
|---------|---------------------|
| DRESSES | MONIKH V-NECK DRESS |

| Layer | Gender | Wastage Percentage |
|-------|--------|--------------------|
| Tops  | Women  | 5%                 |

| Property Name     | Property Value | SQM                 |
|-------------------|----------------|---------------------|
| Upper body length | regular        | 0.6                 |
| Fit               | slim           | 1.44                |
| Sleeves           | no sleeves     | 0                   |
| Neck              | deep v neck    | -0.029              |
| EU SIZE           | L woman        | 0.19897744204083448 |

| Layer  | Gender | Wastage Percentage |
|--------|--------|--------------------|
| Skirts | Women  | 5%                 |

| Property Name | Property Value | SQM                 |
|---------------|----------------|---------------------|
| Length        | calf           | 0.5658              |
| Shape         | gipsy          | 625                 |
| Rise          | regular        | 0                   |
| EU SIZE       | L woman        | 0.19897744204083448 |

## External - Raw Material

| Material     | Percentage  | CO2e per GRAM | Fabric Grams  | CO2e Grams     |
|--------------|-------------|---------------|---------------|----------------|
| Cotton India | 80%         | 0.89          | 358.9593      | 319.4738       |
| Silk India   | 20%         | 80.9          | 38.0714       | 3079.9795      |
| <b>Total</b> | <b>100%</b> | <b>81.79</b>  | <b>397.03</b> | <b>3399.45</b> |

| Material     | Origin Country | Destination Country | Transports | Transport CO2e Grams |
|--------------|----------------|---------------------|------------|----------------------|
| Cotton India | INDIA          | INDIA               |            | 0                    |
| Silk India   | INDIA          | INDIA               |            | 0                    |
| <b>Total</b> |                |                     |            | <b>0</b>             |

## External - Yarn Production

| Process Name                      | Material                      |                            |
|-----------------------------------|-------------------------------|----------------------------|
| Carding (CO2e g)                  | Cotton India (INDIA) 129.8054 | Silk India (INDIA) 13.7672 |
| Winding (CO2e g)                  | Cotton India (INDIA) 298.5525 | Silk India (INDIA) 31.6647 |
| Sizing (CO2e g)                   | Cotton India (INDIA) 6.2117   | Silk India (INDIA) 0.6588  |
| Ring Spinning (CO2e g)            | Cotton India (INDIA) 623.066  | Silk India (INDIA) 66.0828 |
| Warping (CO2e g)                  | Cotton India (INDIA) 21.1198  | Silk India (INDIA) 2.24    |
| Roving (Co2e g)                   | Cotton India (INDIA) 51.9222  | Silk India (INDIA) 5.5069  |
| Yarn Production - Dyeing (CO2e g) | Cotton India (INDIA) 161.5047 | Silk India (INDIA) 17.1293 |
| Blowing (CO2e g)                  | Cotton India (INDIA) 116.8249 | Silk India (INDIA) 12.3905 |
| Drawing (CO2e g)                  | Cotton India (INDIA) 77.8833  | Silk India (INDIA) 8.2603  |
| <b>Total</b>                      | <b>1486.8905</b>              | <b>157.7005</b>            |

| Material     | Origin Country | Destination Country | Transports | Transport CO2e Grams |
|--------------|----------------|---------------------|------------|----------------------|
| Cotton India | INDIA          | INDIA               |            | 0                    |
| Silk India   | INDIA          | INDIA               |            | 0                    |
| <b>Total</b> |                |                     |            | <b>0</b>             |

## External - Cutting & Stitching

| Process Name  | Material                    |                           |
|---------------|-----------------------------|---------------------------|
| Major cutting | Cotton India (INDIA) 0.0169 | Silk India (INDIA) 0.0018 |
| <b>Total</b>  | <b>0.0169</b>               | <b>0.0018</b>             |

| Material     | Origin Country | Destination Country | Transports | Transport CO2e Grams |
|--------------|----------------|---------------------|------------|----------------------|
| Cotton India | INDIA          | INDIA               |            | 0                    |
| Silk India   | INDIA          | INDIA               |            | 0                    |
| <b>Total</b> |                |                     |            | <b>0</b>             |

## External - Fabric Production

| Process Name          | Material                      |                            |
|-----------------------|-------------------------------|----------------------------|
| Heat Setting (CO2e g) | Cotton India (INDIA) 0.5571   | Silk India (INDIA) 0.0591  |
| Weaving (CO2e g)      | Cotton India (INDIA) 529.2496 | Silk India (INDIA) 56.1325 |
| <b>Total</b>          | <b>529.8067</b>               | <b>56.1916</b>             |

| Material     | Origin Country | Destination Country | Transports | Transport CO2e Grams |
|--------------|----------------|---------------------|------------|----------------------|
| Cotton India | INDIA          | INDIA               |            | 0                    |
| Silk India   | INDIA          | INDIA               |            | 0                    |
| <b>Total</b> |                |                     |            | <b>0</b>             |

## External - Garment Manufacturing

| Process Name               | Material                      |                            |
|----------------------------|-------------------------------|----------------------------|
| Finishing Emissions (CO2g) | Cotton India (INDIA) 208.9143 | Silk India (INDIA) 22.1576 |
| Laundry Emissions (CO2e g) | Cotton India (INDIA) 208.9143 | Silk India (INDIA) 22.1576 |
| Washing & Drying Emissions | Cotton India (INDIA) 30.6408  | Silk India (INDIA) 3.2498  |
| <b>Total</b>               | <b>448.4694</b>               | <b>47.565</b>              |

| Material     | Origin Country | Destination Country | Transports | Transport CO2e Grams |
|--------------|----------------|---------------------|------------|----------------------|
| Cotton India | INDIA          | INDIA               |            | 0                    |
| Silk India   | INDIA          | INDIA               |            | 0                    |
| <b>Total</b> |                |                     |            | <b>0</b>             |

| Production Group | Process Name | Country | CO2e   | Value |
|------------------|--------------|---------|--------|-------|
| Addition         | Zip (cm)     | INDIA   | 0.1908 | 20    |

## External - Finishing & Packaging

| Material     | Origin Country | Destination Country | Transports | Transport CO2e Grams |
|--------------|----------------|---------------------|------------|----------------------|
| Cotton India | INDIA          | INDIA               |            | 0                    |
| Silk India   | INDIA          | INDIA               |            | 0                    |
| <b>Total</b> |                |                     |            | <b>0</b>             |

| Production Group | Process Name   | Country | CO2e   | Value |
|------------------|----------------|---------|--------|-------|
| ---              | Plastic Hanger | INDIA   | 0.1209 | 1     |

## Fabric\_2 - Raw Material

| Material     | Percentage  | CO2e per GRAM | Fabric Grams | CO2e Grams    |
|--------------|-------------|---------------|--------------|---------------|
| Cotton India | 100%        | 0.89          | 448.6991     | 399.3422      |
| <b>Total</b> | <b>100%</b> | <b>0.89</b>   | <b>448.7</b> | <b>399.34</b> |

| Material     | Origin Country | Destination Country | Transports | Transport CO2e Grams |
|--------------|----------------|---------------------|------------|----------------------|
| Cotton India | INDIA          | INDIA               |            | 0                    |
| <b>Total</b> |                |                     |            | <b>0</b>             |

## Fabric\_2 - Yarn Production

| Process Name                      | Material                      |
|-----------------------------------|-------------------------------|
| Carding (CO2e g)                  | Cotton India (INDIA) 162.2568 |
| Winding (CO2e g)                  | Cotton India (INDIA) 373.1906 |
| Sizing (CO2e g)                   | Cotton India (INDIA) 7.7646   |
| Ring Spinning (CO2e g)            | Cotton India (INDIA) 778.8325 |
| Warping (CO2e g)                  | Cotton India (INDIA) 26.3998  |
| Roving (Co2e g)                   | Cotton India (INDIA) 64.9027  |
| Yarn Production - Dyeing (CO2e g) | Cotton India (INDIA) 201.8809 |
| Blowing (CO2e g)                  | Cotton India (INDIA) 146.0311 |

| Process Name     | Material                     |
|------------------|------------------------------|
| Drawing (CO2e g) | Cotton India (INDIA) 97.3541 |
| <b>Total</b>     | <b>1858.6130999999998</b>    |

| Material     | Origin Country | Destination Country | Transports | Transport CO2e Grams |
|--------------|----------------|---------------------|------------|----------------------|
| Cotton India | INDIA          | INDIA               |            | 0                    |
| <b>Total</b> |                |                     |            | <b>0</b>             |

## Fabric\_2 - Cutting & Stitching

| Process Name  | Material                    |
|---------------|-----------------------------|
| Major cutting | Cotton India (INDIA) 0.0212 |
| <b>Total</b>  | <b>0.0212</b>               |

| Material     | Origin Country | Destination Country | Transports | Transport CO2e Grams |
|--------------|----------------|---------------------|------------|----------------------|
| Cotton India | INDIA          | INDIA               |            | 0                    |
| <b>Total</b> |                |                     |            | <b>0</b>             |

## Fabric\_2 - Fabric Production

| Process Name          | Material                     |
|-----------------------|------------------------------|
| Heat Setting (CO2e g) | Cotton India (INDIA) 0.6964  |
| Weaving (CO2e g)      | Cotton India (INDIA) 661.562 |
| <b>Total</b>          | <b>662.2584</b>              |

| Material     | Origin Country | Destination Country | Transports | Transport CO2e Grams |
|--------------|----------------|---------------------|------------|----------------------|
| Cotton India | INDIA          | INDIA               |            | 0                    |
| <b>Total</b> |                |                     |            | <b>0</b>             |

## Fabric\_2 - Garment Manufacturing

| Process Name               | Material                      |
|----------------------------|-------------------------------|
| Finishing Emissions (CO2g) | Cotton India (INDIA) 261.1429 |
| Laundry Emissions (CO2e g) | Cotton India (INDIA) 261.1429 |
| Washing & Drying Emissions | Cotton India (INDIA) 38.301   |
| <b>Total</b>               | <b>560.5868</b>               |

| Material     | Origin Country | Destination Country | Transports | Transport CO2e Grams |
|--------------|----------------|---------------------|------------|----------------------|
| Cotton India | INDIA          | INDIA               |            | 0                    |
| <b>Total</b> |                |                     |            | <b>0</b>             |

| Production Group | Process Name | Country | CO2e   | Value |
|------------------|--------------|---------|--------|-------|
| Addition         | Zip (cm)     | INDIA   | 0.1908 | 20    |

## Fabric\_2 - Finishing & Packaging

| Material     | Origin Country | Destination Country | Transports | Transport CO2e Grams |
|--------------|----------------|---------------------|------------|----------------------|
| Cotton India | INDIA          | INDIA               |            | 0                    |
| <b>Total</b> |                |                     |            | <b>0</b>             |

| Production Group | Process Name   | Country | CO2e   | Value |
|------------------|----------------|---------|--------|-------|
| ---              | Plastic Hanger | INDIA   | 0.1209 | 1     |

## Final Transportation

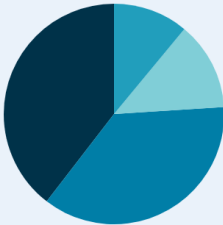
| Material     | Origin Country | Destination Country | Transports | Transport CO2e Grams |
|--------------|----------------|---------------------|------------|----------------------|
| Cotton India | INDIA          | UNITED KINGDOM      | AIR - 0    | 0                    |
| Silk India   | INDIA          | UNITED KINGDOM      | AIR - 0    | 0                    |
| <b>Total</b> |                |                     |            | <b>0</b>             |

### Total Carbon Footprint

**9.61** kg CO<sub>2</sub>e

Estimated Offsetting Cost In EUR \*

**0.96** €



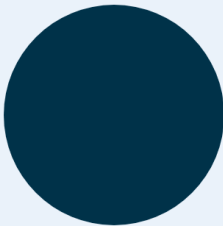
- Raw Material (39.54%)
- Yarn Production (36.45%)
- Fabric Production (12.99%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (11.00%)
- Finishing & Packaging (0.00%)

### Raw Material Carbon Footprint

**3.8** kg CO<sub>2</sub>e

Estimated Offsetting Cost In EUR \*

**0.38** €



- Raw Material (100%)

### Transportation Carbon Footprint

**0** kg CO<sub>2</sub>e

Estimated Offsetting Cost In EUR \*

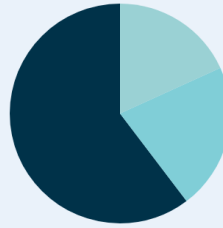
**0** €

### Process Carbon Footprint

**5.81** kg CO<sub>2</sub>e

Estimated Offsetting Cost In EUR \*

**0.58** €



- Yarn Production (60.30%)
- Cutting & Stitching (0.00%)
- Fabric Production (21.48%)
- Garment Manufacturing (18.19%)
- Finishing & Packaging (0.00%)

\* Current Average Market Value Of High Quality Carbon Credit

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