



# Product Carbon Footprint Calculation Results

02/04/2025 - 15:45

| Product | SKU          |
|---------|--------------|
| DRESSES | SOFIA KAFTAN |

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

| Property Name     | Property Value | SQM                 |
|-------------------|----------------|---------------------|
| Upper body length | regular        | 0.6                 |
| Fit               | loose          | 6.25                |
| Sleeves           | half           | 0.14                |
| Neck              | v neck         | -0.016              |
| EU SIZE           | L woman        | 0.19897744204083448 |

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

| Property Name | Property Value | SQM                 |
|---------------|----------------|---------------------|
| Length        | long           | 0.69                |
| Shape         | tulle          | 484                 |
| Rise          | regular        | 0                   |
| EU SIZE       | L woman        | 0.19897744204083448 |

## External - Raw Material

| Material        | Percentage  | CO2e per GRAM | Fabric Grams  | CO2e Grams      |
|-----------------|-------------|---------------|---------------|-----------------|
| Viscose generic | 67%         | 14.54         | 226.4903      | 3293.1691       |
| Acetate         | 33%         | 38            | 189.6434      | 7206.4483       |
| <b>Total</b>    | <b>100%</b> | <b>52.54</b>  | <b>416.13</b> | <b>10499.62</b> |

| Material        | Origin Country | Destination Country | Transports | Transport CO2e Grams |
|-----------------|----------------|---------------------|------------|----------------------|
| Viscose generic | CHINA          | CHINA               |            | 0                    |
| Acetate         | CHINA          | CHINA               |            | 0                    |
| <b>Total</b>    |                |                     |            | <b>0</b>             |

## External - Yarn Production

| Process Name                      | Material                         |                          |
|-----------------------------------|----------------------------------|--------------------------|
| Carding (CO2e g)                  | Viscose generic (CHINA) 58.3661  | Acetate (CHINA) 48.8707  |
| Winding (CO2e g)                  | Viscose generic (CHINA) 134.242  | Acetate (CHINA) 112.4027 |
| Sizing (CO2e g)                   | Viscose generic (CHINA) 2.7931   | Acetate (CHINA) 2.3387   |
| Ring Spinning (CO2e g)            | Viscose generic (CHINA) 280.1573 | Acetate (CHINA) 234.5795 |
| Warping (CO2e g)                  | Viscose generic (CHINA) 9.4964   | Acetate (CHINA) 7.9515   |
| Roving (Co2e g)                   | Viscose generic (CHINA) 23.3464  | Acetate (CHINA) 19.5483  |
| Yarn Production - Dyeing (CO2e g) | Viscose generic (CHINA) 72.6195  | Acetate (CHINA) 60.8052  |
| Blowing (CO2e g)                  | Viscose generic (CHINA) 52.5295  | Acetate (CHINA) 43.9836  |
| Drawing (CO2e g)                  | Viscose generic (CHINA) 35.0197  | Acetate (CHINA) 29.3224  |
| <b>Total</b>                      | <b>668.5699999999999</b>         | <b>559.8026</b>          |

| Material        | Origin Country | Destination Country | Transports | Transport CO2e Grams |
|-----------------|----------------|---------------------|------------|----------------------|
| Viscose generic | CHINA          | CHINA               |            | 0                    |
| Acetate         | CHINA          | CHINA               |            | 0                    |
| <b>Total</b>    |                |                     |            | <b>0</b>             |

## External - Cutting & Stitching

| Process Name  | Material                       |                        |
|---------------|--------------------------------|------------------------|
| Major cutting | Viscose generic (INDIA) 0.0107 | Acetate (INDIA) 0.0089 |
| <b>Total</b>  | <b>0.0107</b>                  | <b>0.0089</b>          |

| Material        | Origin Country | Destination Country | Transports | Transport CO2e Grams |
|-----------------|----------------|---------------------|------------|----------------------|
| Viscose generic | INDIA          | INDIA               |            | 0                    |
| Acetate         | INDIA          | INDIA               |            | 0                    |
| <b>Total</b>    |                |                     |            | <b>0</b>             |

## External - Fabric Production

| Process Name          | Material                         |                          |
|-----------------------|----------------------------------|--------------------------|
| Heat Setting (CO2e g) | Viscose generic (CHINA) 0.2505   | Acetate (CHINA) 0.2097   |
| Weaving (CO2e g)      | Viscose generic (CHINA) 237.9734 | Acetate (CHINA) 199.2583 |
| <b>Total</b>          | <b>238.2239</b>                  | <b>199.468</b>           |

| Material        | Origin Country | Destination Country | Transports                                    | Transport CO2e Grams |
|-----------------|----------------|---------------------|-----------------------------------------------|----------------------|
| Viscose generic | CHINA          | INDIA               | Truck/Heavy goods vehicle - 0<br>Aircraft - 0 | 0                    |
| Acetate         | CHINA          | INDIA               | Truck/Heavy goods vehicle - 0<br>Aircraft - 0 | 0                    |
| <b>Total</b>    |                |                     |                                               | <b>0</b>             |

## External - Garment Manufacturing

| Process Name               | Material                         |                          |
|----------------------------|----------------------------------|--------------------------|
| Finishing Emissions (CO2g) | Viscose generic (INDIA) 131.8174 | Acetate (INDIA) 110.3724 |
| Laundry Emissions (CO2e g) | Viscose generic (INDIA) 131.8174 | Acetate (INDIA) 110.3724 |
| Washing & Drying Emissions | Viscose generic (INDIA) 19.3332  | Acetate (INDIA) 16.188   |
| <b>Total</b>               | <b>282.96799999999996</b>        | <b>236.9328</b>          |

| Material        | Origin Country | Destination Country | Transports | Transport CO2e Grams |
|-----------------|----------------|---------------------|------------|----------------------|
| Viscose generic | INDIA          | INDIA               |            | 0                    |
| Acetate         | INDIA          | INDIA               |            | 0                    |
| <b>Total</b>    |                |                     |            | <b>0</b>             |

| Production Group | Process Name             | Country | CO2e   | Value |
|------------------|--------------------------|---------|--------|-------|
| Addition         | Swarovski (10grams/unit) | INDIA   | 0.2225 | 3     |

## External - Finishing & Packaging

| Material        | Origin Country | Destination Country | Transports | Transport CO2e Grams |
|-----------------|----------------|---------------------|------------|----------------------|
| Viscose generic | INDIA          | INDIA               |            | 0                    |
| Acetate         | 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     |
|------------------|-------------|---------------|---------------|----------------|
| Silk generic     | 54%         | 52.5          | 127.7811      | 6708.5077      |
| Viscose generic  | 40%         | 14.54         | 135.2181      | 1966.0711      |
| Elastane generic | 6%          | 10.7          | 40.5654       | 434.0501       |
| <b>Total</b>     | <b>100%</b> | <b>77.74</b>  | <b>303.56</b> | <b>9108.63</b> |

| Material         | Origin Country | Destination Country | Transports | Transport CO2e Grams |
|------------------|----------------|---------------------|------------|----------------------|
| Silk generic     | CHINA          | CHINA               |            | 0                    |
| Viscose generic  | CHINA          | CHINA               |            | 0                    |
| Elastane generic | CHINA          | CHINA               |            | 0                    |
| <b>Total</b>     |                |                     |            | <b>0</b>             |

## Fabric\_2 - Yarn Production

| Process Name     | Material                     |                                 |                                  |
|------------------|------------------------------|---------------------------------|----------------------------------|
| Carding (CO2e g) | Silk generic (CHINA) 32.9289 | Viscose generic (CHINA) 34.8454 | Elastane generic (CHINA) 10.4536 |

| Process Name                      | Material                         |                                     |                                     |
|-----------------------------------|----------------------------------|-------------------------------------|-------------------------------------|
| Winding (CO2e g)                  | Silk generic (CHINA)<br>75.7365  | Viscose generic (CHINA)<br>80.1445  | Elastane generic (CHINA)<br>24.0433 |
| Sizing (CO2e g)                   | Silk generic (CHINA)<br>1.5758   | Viscose generic (CHINA)<br>1.6675   | Elastane generic (CHINA)<br>0.5002  |
| Ring Spinning (CO2e g)            | Silk generic (CHINA)<br>158.0589 | Viscose generic (CHINA)<br>167.2581 | Elastane generic (CHINA)<br>50.1774 |
| Warping (CO2e g)                  | Silk generic (CHINA)<br>5.3577   | Viscose generic (CHINA)<br>5.6695   | Elastane generic (CHINA)<br>1.7008  |
| Roving (Co2e g)                   | Silk generic (CHINA)<br>13.1716  | Viscose generic (CHINA)<br>13.9382  | Elastane generic (CHINA)<br>4.1815  |
| Yarn Production - Dyeing (CO2e g) | Silk generic (CHINA)<br>40.9704  | Viscose generic (CHINA)<br>43.3549  | Elastane generic (CHINA)<br>13.0065 |
| Blowing (CO2e g)                  | Silk generic (CHINA)<br>29.636   | Viscose generic (CHINA)<br>31.3609  | Elastane generic (CHINA)<br>9.4083  |
| Drawing (CO2e g)                  | Silk generic (CHINA)<br>19.7574  | Viscose generic (CHINA)<br>20.9073  | Elastane generic (CHINA)<br>6.2722  |
| <b>Total</b>                      | <b>377.19320000000005</b>        | <b>399.14630000000005</b>           | <b>119.7438</b>                     |

| Material         | Origin Country | Destination Country | Transports | Transport CO2e Grams |
|------------------|----------------|---------------------|------------|----------------------|
| Silk generic     | CHINA          | CHINA               |            | 0                    |
| Viscose generic  | CHINA          | CHINA               |            | 0                    |
| Elastane generic | CHINA          | CHINA               |            | 0                    |
| <b>Total</b>     |                |                     |            | <b>0</b>             |

## Fabric\_2 - Cutting & Stitching

| Process Name  | Material                      |                                |                                 |
|---------------|-------------------------------|--------------------------------|---------------------------------|
| Major cutting | Silk generic (INDIA)<br>0.006 | Viscose generic (INDIA) 0.0064 | Elastane generic (INDIA) 0.0019 |
| <b>Total</b>  | <b>0.006</b>                  | <b>0.0064</b>                  | <b>0.0019</b>                   |

| Material         | Origin Country | Destination Country | Transports | Transport CO2e Grams |
|------------------|----------------|---------------------|------------|----------------------|
| Silk generic     | INDIA          | INDIA               |            | 0                    |
| Viscose generic  | INDIA          | INDIA               |            | 0                    |
| Elastane generic | INDIA          | INDIA               |            | 0                    |
| <b>Total</b>     |                |                     |            | <b>0</b>             |

## Fabric\_2 - Fabric Production

| Process Name          | Material                         |                                     |                                     |
|-----------------------|----------------------------------|-------------------------------------|-------------------------------------|
| Heat Setting (CO2e g) | Silk generic (CHINA)<br>0.1413   | Viscose generic (CHINA)<br>0.1496   | Elastane generic (CHINA)<br>0.0449  |
| Weaving (CO2e g)      | Silk generic (CHINA)<br>134.2596 | Viscose generic (CHINA)<br>142.0737 | Elastane generic (CHINA)<br>42.6221 |
| <b>Total</b>          | <b>134.4009</b>                  | <b>142.2233</b>                     | <b>42.667</b>                       |

| Material         | Origin Country | Destination Country | Transports                                    | Transport CO2e Grams |
|------------------|----------------|---------------------|-----------------------------------------------|----------------------|
| Silk generic     | CHINA          | INDIA               | Truck/Heavy goods vehicle - 0<br>Aircraft - 0 | 0                    |
| Viscose generic  | CHINA          | INDIA               | Truck/Heavy goods vehicle - 0<br>Aircraft - 0 | 0                    |
| Elastane generic | CHINA          | INDIA               | Truck/Heavy goods vehicle - 0<br>Aircraft - 0 | 0                    |
| <b>Total</b>     |                |                     |                                               | <b>0</b>             |

## Fabric\_2 - Garment Manufacturing

| Process Name               | Material                        |                                    |                                     |
|----------------------------|---------------------------------|------------------------------------|-------------------------------------|
| Finishing Emissions (CO2g) | Silk generic (INDIA)<br>74.3686 | Viscose generic (INDIA)<br>78.6969 | Elastane generic (INDIA)<br>23.6091 |
| Laundry Emissions (CO2e g) | Silk generic (INDIA)<br>74.3686 | Viscose generic (INDIA)<br>78.6969 | Elastane generic (INDIA)<br>23.6091 |
| Washing & Drying Emissions | Silk generic (INDIA)<br>10.9074 | Viscose generic (INDIA)<br>11.5422 | Elastane generic (INDIA)<br>3.4627  |
| <b>Total</b>               | <b>159.6446</b>                 | <b>168.936</b>                     | <b>50.6809</b>                      |

| Material         | Origin Country | Destination Country | Transports | Transport CO2e Grams |
|------------------|----------------|---------------------|------------|----------------------|
| Silk generic     | INDIA          | INDIA               |            | 0                    |
| Viscose generic  | INDIA          | INDIA               |            | 0                    |
| Elastane generic | INDIA          | INDIA               |            | 0                    |
| <b>Total</b>     |                |                     |            | <b>0</b>             |

| Production Group | Process Name             | Country | CO2e   | Value |
|------------------|--------------------------|---------|--------|-------|
| Addition         | Swarovski (10grams/unit) | INDIA   | 0.2225 | 3     |

## Fabric\_2 - Finishing & Packaging

| Material         | Origin Country | Destination Country | Transports | Transport CO2e Grams |
|------------------|----------------|---------------------|------------|----------------------|
| Silk generic     | INDIA          | INDIA               |            | 0                    |
| Viscose generic  | INDIA          | INDIA               |            | 0                    |
| Elastane generic | 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 |
|----------|----------------|---------------------|------------|----------------------|
|----------|----------------|---------------------|------------|----------------------|

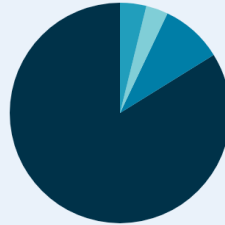
| Material        | Origin Country | Destination Country | Transports | Transport CO2e Grams |
|-----------------|----------------|---------------------|------------|----------------------|
| Viscose generic | INDIA          | UNITED KINGDOM      | AIR - 0    | 0                    |
| Acetate         | INDIA          | UNITED KINGDOM      | AIR - 0    | 0                    |
| <b>Total</b>    |                |                     |            | <b>0</b>             |

### Total Carbon Footprint

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

Estimated Offsetting Cost In EUR \*

**2.34** €



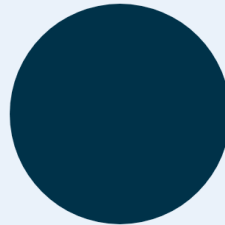
- Raw Material (83.84%)
- Yarn Production (9.08%)
- Fabric Production (3.24%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (3.85%)
- Finishing & Packaging (0.00%)

### Raw Material Carbon Footprint

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

Estimated Offsetting Cost In EUR \*

**1.96** €



- Raw Material (100%)

### Transportation Carbon Footprint

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

Estimated Offsetting Cost In EUR \*

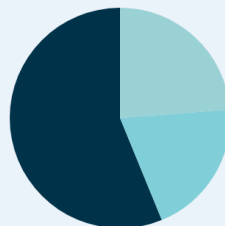
**0** €

### Process Carbon Footprint

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

Estimated Offsetting Cost In EUR \*

**0.38** €



- Yarn Production (56.20%)
- Cutting & Stitching (0.00%)
- Fabric Production (20.03%)
- Garment Manufacturing (23.79%)
- Finishing & Packaging (0.00%)

\* Current Average Market Value Of High Quality Carbon Credit

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