



# Product Carbon Footprint Calculation Results

02/04/2025 - 15:45

| Product | SKU                |
|---------|--------------------|
| DRESSES | GRACIA RUFFLE GOWN |

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

| Property Name     | Property Value | SQM                 |
|-------------------|----------------|---------------------|
| Upper body length | regular        | 0.6                 |
| Fit               | slim           | 1.44                |
| Sleeves           | short          | 0.09                |
| Neck              | boat           | -0.045              |
| EU SIZE           | L woman        | 0.19897744204083448 |

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

| Property Name | Property Value | SQM                 |
|---------------|----------------|---------------------|
| Length        | long           | 0.69                |
| Shape         | gipsy          | 625                 |
| Rise          | regular        | 0                   |
| EU SIZE       | L woman        | 0.19897744204083448 |

## External - Raw Material

| Material        | Percentage  | CO2e per GRAM | Fabric Grams  | CO2e Grams     |
|-----------------|-------------|---------------|---------------|----------------|
| Viscose generic | 100%        | 14.54         | 327.735       | 4765.2664      |
| <b>Total</b>    | <b>100%</b> | <b>14.54</b>  | <b>327.73</b> | <b>4765.27</b> |

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

## External - Yarn Production

| Process Name                      | Material                         |
|-----------------------------------|----------------------------------|
| Carding (CO2e g)                  | Viscose generic (INDIA) 118.5142 |
| Winding (CO2e g)                  | Viscose generic (INDIA) 272.5827 |
| Sizing (CO2e g)                   | Viscose generic (INDIA) 5.6714   |
| Ring Spinning (CO2e g)            | Viscose generic (INDIA) 568.8682 |
| Warping (CO2e g)                  | Viscose generic (INDIA) 19.2827  |
| Roving (Co2e g)                   | Viscose generic (INDIA) 47.4057  |
| Yarn Production - Dyeing (CO2e g) | Viscose generic (INDIA) 147.4561 |
| Blowing (CO2e g)                  | Viscose generic (INDIA) 106.6628 |
| Drawing (CO2e g)                  | Viscose generic (INDIA) 71.1085  |
| <b>Total</b>                      | <b>1357.5523</b>                 |

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

## External - Cutting & Stitching

| Process Name  | Material                       |
|---------------|--------------------------------|
| Major cutting | Viscose generic (INDIA) 0.0155 |
| <b>Total</b>  | <b>0.0155</b>                  |

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

## External - Fabric Production

| Process Name          | Material                         |
|-----------------------|----------------------------------|
| Heat Setting (CO2e g) | Viscose generic (INDIA) 0.5086   |
| Weaving (CO2e g)      | Viscose generic (INDIA) 483.2124 |
| <b>Total</b>          | <b>483.721</b>                   |

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

## External - Garment Manufacturing

| Process Name               | Material                         |
|----------------------------|----------------------------------|
| Finishing Emissions (CO2g) | Viscose generic (INDIA) 190.7417 |
| Laundry Emissions (CO2e g) | Viscose generic (INDIA) 190.7417 |
| Washing & Drying Emissions | Viscose generic (INDIA) 27.9755  |
| <b>Total</b>               | <b>409.4589</b>                  |

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

| Production Group | Process Name      | Country | CO2e   | Value |
|------------------|-------------------|---------|--------|-------|
| Addition         | Paillettes (unit) | INDIA   | 0.0224 | 30    |
| Addition         | Zip (cm)          | INDIA   | 0.1908 | 20    |

## External - Finishing & Packaging

| Material        | Origin Country | Destination Country | Transports | Transport CO2e Grams |
|-----------------|----------------|---------------------|------------|----------------------|
| Viscose generic | 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          | 123.8838      | 6503.9004      |
| Viscose generic  | 40%         | 14.54         | 131.094       | 1906.1066      |
| Elastane generic | 6%          | 10.7          | 39.3282       | 420.8117       |
| <b>Total</b>     | <b>100%</b> | <b>77.74</b>  | <b>294.31</b> | <b>8830.82</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)<br>31.9246  | Viscose generic (CHINA)<br>33.7827  | Elastane generic (CHINA)<br>10.1348 |
| Winding (CO2e g)                  | Silk generic (CHINA)<br>73.4266  | Viscose generic (CHINA)<br>77.7001  | Elastane generic (CHINA)<br>23.31   |
| Sizing (CO2e g)                   | Silk generic (CHINA)<br>1.5277   | Viscose generic (CHINA)<br>1.6166   | Elastane generic (CHINA)<br>0.485   |
| Ring Spinning (CO2e g)            | Silk generic (CHINA)<br>153.2381 | Viscose generic (CHINA)<br>162.1568 | Elastane generic (CHINA)<br>48.647  |
| Warping (CO2e g)                  | Silk generic (CHINA)<br>5.1943   | Viscose generic (CHINA)<br>5.4966   | Elastane generic (CHINA)<br>1.649   |
| Roving (Co2e g)                   | Silk generic (CHINA)<br>12.7698  | Viscose generic (CHINA)<br>13.5131  | Elastane generic (CHINA)<br>4.0539  |
| Yarn Production - Dyeing (CO2e g) | Silk generic (CHINA)<br>39.7208  | Viscose generic (CHINA)<br>42.0326  | Elastane generic (CHINA)<br>12.6098 |

| Process Name     | Material                        |                                    |                                    |
|------------------|---------------------------------|------------------------------------|------------------------------------|
| Blowing (CO2e g) | Silk generic (CHINA)<br>28.7322 | Viscose generic (CHINA)<br>30.4044 | Elastane generic (CHINA)<br>9.1213 |
| Drawing (CO2e g) | Silk generic (CHINA)<br>19.1548 | Viscose generic (CHINA)<br>20.2696 | Elastane generic (CHINA)<br>6.0809 |
| <b>Total</b>     | <b>365.68889999999993</b>       | <b>386.97250000000001</b>          | <b>116.0917</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>0.0058 | Viscose generic (INDIA)<br>0.0062 | Elastane generic (INDIA)<br>0.0019 |
| <b>Total</b>  | <b>0.0058</b>                  | <b>0.0062</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>0.137    | Viscose generic (CHINA)<br>0.145    | Elastane generic (CHINA)<br>0.0435  |
| Weaving (CO2e g)      | Silk generic (CHINA)<br>130.1647 | Viscose generic (CHINA)<br>137.7405 | Elastane generic (CHINA)<br>41.3221 |
| <b>Total</b>          | <b>130.3017</b>                  | <b>137.8855</b>                     | <b>41.3656</b>                      |

| Material         | Origin Country | Destination Country | Transports                                       | Transport CO2e Grams |
|------------------|----------------|---------------------|--------------------------------------------------|----------------------|
| Silk generic     | CHINA          | INDIA               | Truck/Heavy goods vehicle<br>- 0<br>Aircraft - 0 | 0                    |
| Viscose generic  | CHINA          | INDIA               | Truck/Heavy goods vehicle<br>- 0<br>Aircraft - 0 | 0                    |
| Elastane generic | CHINA          | INDIA               | Truck/Heavy goods vehicle<br>- 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>72.1004 | Viscose generic (INDIA)<br>76.2967 | Elastane generic (INDIA)<br>22.889 |
| Laundry Emissions (CO2e g) | Silk generic (INDIA)<br>72.1004 | Viscose generic (INDIA)<br>76.2967 | Elastane generic (INDIA)<br>22.889 |
| Washing & Drying Emissions | Silk generic (INDIA)<br>10.5747 | Viscose generic (INDIA)<br>11.1902 | Elastane generic (INDIA)<br>3.3571 |
| <b>Total</b>               | <b>154.7755</b>                 | <b>163.7836</b>                    | <b>49.1351</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         | Paillettes (unit) | INDIA   | 0.0224 | 30    |
| Addition         | Zip (cm)          | INDIA   | 0.1908 | 20    |

## 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

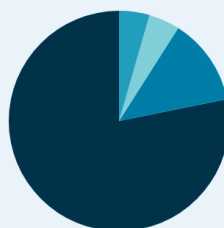
| Material        | Origin Country | Destination Country | Transports | Transport CO2e Grams |
|-----------------|----------------|---------------------|------------|----------------------|
| Viscose generic | INDIA          | UNITED KINGDOM      | AIR - 0    | 0                    |
| <b>Total</b> 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

### Total Carbon Footprint

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

Estimated Offsetting Cost In EUR \*

**1.74** €



- Raw Material (78.16%)
- Yarn Production (12.79%)
- Fabric Production (4.56%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (4.47%)
- Finishing & Packaging

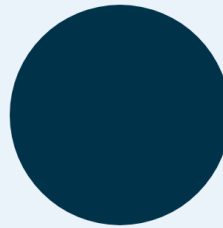
(0.00%)

## Raw Material Carbon Footprint

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

Estimated Offsetting Cost In EUR \*

**1.36** €



● Raw Material (100%)

## Transportation Carbon Footprint

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

Estimated Offsetting Cost In EUR \*

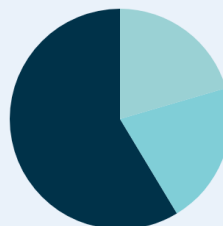
**0** €

## Process Carbon Footprint

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

Estimated Offsetting Cost In EUR \*

**0.38** €



- Yarn Production (58.59%)
- Cutting & Stitching (0.00%)
- Fabric Production (20.88%)
- Garment Manufacturing (20.46%)
- Finishing & Packaging (0.00%)

\* Current Average Market Value Of High Quality Carbon Credit

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