



# Product Carbon Footprint Calculation Results

02/03/2025 - 16:16

Product	SKU
DRESSES	GUINEVERE STRAPPY 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	off shoulder	-0.095
EU SIZE	L woman	0.19897744204083448

Layer	Gender	Wastage Percentage
Skirts	Women	5%

Property Name	Property Value	SQM
Length	calf	0.5658
Shape	circle	324
Rise	regular	0
EU SIZE	L woman	0.19897744204083448

## External - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Polyester China	60%	3.1	146.0305	452.6947
Cotton China	40%	2.37	146.0305	346.0924
<b>Total</b>	<b>100%</b>	<b>5.47</b>	<b>292.06</b>	<b>798.79</b>

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyester China	CHINA	CHINA		0
Cotton China	CHINA	CHINA		0
<b>Total</b>				<b>0</b>

## External - Yarn Production

Process Name	Material	
Carding (CO2e g)	Polyester China (CHINA) 37.6318	Cotton China (CHINA) 37.6318
Winding (CO2e g)	Polyester China (CHINA) 86.5531	Cotton China (CHINA) 86.5531
Sizing (CO2e g)	Polyester China (CHINA) 1.8008	Cotton China (CHINA) 1.8008
Ring Spinning (CO2e g)	Polyester China (CHINA) 180.6325	Cotton China (CHINA) 180.6325
Warping (CO2e g)	Polyester China (CHINA) 6.1228	Cotton China (CHINA) 6.1228
Roving (Co2e g)	Polyester China (CHINA) 15.0527	Cotton China (CHINA) 15.0527
Yarn Production - Dyeing (CO2e g)	Polyester China (CHINA) 46.8217	Cotton China (CHINA) 46.8217
Blowing (CO2e g)	Polyester China (CHINA) 33.8686	Cotton China (CHINA) 33.8686
Drawing (CO2e g)	Polyester China (CHINA) 22.5791	Cotton China (CHINA) 22.5791
<b>Total</b>	<b>431.0631</b>	<b>431.0631</b>

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyester China	CHINA	CHINA		0
Cotton China	CHINA	CHINA		0
<b>Total</b>				<b>0</b>

## External - Cutting & Stitching

Process Name	Material	
Major cutting	Polyester China (CHINA) 0.0049	Cotton China (CHINA) 0.0049
<b>Total</b>	<b>0.0049</b>	<b>0.0049</b>

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyester China	CHINA	CHINA		0
Cotton China	CHINA	CHINA		0
<b>Total</b>				<b>0</b>

## External - Fabric Production

Process Name	Material	
Heat Setting (CO2e g)	Polyester China (CHINA) 0.1615	Cotton China (CHINA) 0.1615
Weaving (CO2e g)	Polyester China (CHINA) 153.4343	Cotton China (CHINA) 153.4343
<b>Total</b>	<b>153.5958</b>	<b>153.5958</b>

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyester China	CHINA	CHINA		0
Cotton China	CHINA	CHINA		0
<b>Total</b>				<b>0</b>

## External - Garment Manufacturing

Process Name	Material	
Finishing Emissions (CO2g)	Polyester China (CHINA) 60.5662	Cotton China (CHINA) 60.5662
Laundry Emissions (CO2e g)	Polyester China (CHINA) 60.5662	Cotton China (CHINA) 60.5662
Washing & Drying Emissions	Polyester China (CHINA) 8.883	Cotton China (CHINA) 8.883
<b>Total</b>	<b>130.0154</b>	<b>130.0154</b>

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyester China	CHINA	CHINA		0
Cotton China	CHINA	CHINA		0
<b>Total</b>				<b>0</b>

Production Group	Process Name	Country	CO2e	Value
Addition	Zip (cm)	CHINA	0.1908	20

## External - Finishing & Packaging

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyester China	CHINA	CHINA		0
Cotton China	CHINA	CHINA		0
<b>Total</b>				<b>0</b>

Production Group	Process Name	Country	CO2e	Value
---	Plastic Hanger	CHINA	0.0862	1

## Fabric\_2 - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Viscose generic	100%	14.54	221.2584	3217.097
<b>Total</b>	<b>100%</b>	<b>14.54</b>	<b>221.26</b>	<b>3217.1</b>

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

## Fabric\_2 - Yarn Production

Process Name	Material
Carding (CO2e g)	Viscose generic (CHINA) 57.0178
Winding (CO2e g)	Viscose generic (CHINA) 131.141
Sizing (CO2e g)	Viscose generic (CHINA) 2.7285
Ring Spinning (CO2e g)	Viscose generic (CHINA) 273.6857
Warping (CO2e g)	Viscose generic (CHINA) 9.277
Roving (Co2e g)	Viscose generic (CHINA) 22.8071
Yarn Production - Dyeing (CO2e g)	Viscose generic (CHINA) 70.9419
Blowing (CO2e g)	Viscose generic (CHINA) 51.3161

Process Name	Material
Drawing (CO2e g)	Viscose generic (CHINA) 34.2107
<b>Total</b>	<b>653.1257999999999</b>

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

## Fabric\_2 - Cutting & Stitching

Process Name	Material
Major cutting	Viscose generic (CHINA) 0.0074
<b>Total</b>	<b>0.0074</b>

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

## Fabric\_2 - Fabric Production

Process Name	Material
Heat Setting (CO2e g)	Viscose generic (CHINA) 0.2447
Weaving (CO2e g)	Viscose generic (CHINA) 232.4762
<b>Total</b>	<b>232.7209</b>

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

## Fabric\_2 - Garment Manufacturing

Process Name	Material
Finishing Emissions (CO2g)	Viscose generic (CHINA) 91.7669
Laundry Emissions (CO2e g)	Viscose generic (CHINA) 91.7669
Washing & Drying Emissions	Viscose generic (CHINA) 13.4591
<b>Total</b>	<b>196.99290000000002</b>

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

Production Group	Process Name	Country	CO2e	Value
Addition	Zip (cm)	CHINA	0.1908	20

## Fabric\_2 - Finishing & Packaging

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

Production Group	Process Name	Country	CO2e	Value
---	Plastic Hanger	CHINA	0.0862	1

## Final Transportation

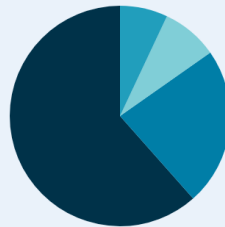
Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyester China	CHINA	UNITED KINGDOM	AIR - 0	0
Cotton China	CHINA	UNITED KINGDOM	AIR - 0	0
<b>Total</b>				<b>0</b>

### Total Carbon Footprint

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

Estimated Offsetting Cost In EUR \*

**0.65** €



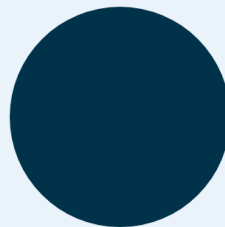
- Raw Material (61.56%)
- Yarn Production (23.20%)
- Fabric Production (8.27%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (7.00%)
- Finishing & Packaging (0.00%)

### Raw Material Carbon Footprint

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

Estimated Offsetting Cost In EUR \*

**0.4** €



- Raw Material (100%)

### Transportation Carbon Footprint

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

Estimated Offsetting Cost In EUR \*

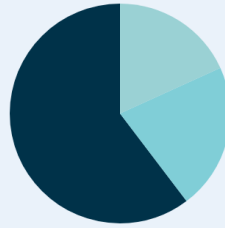
**0** €

### Process Carbon Footprint

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

Estimated Offsetting Cost In EUR \*

**0.25** €



- Yarn Production (60.37%)
- Cutting & Stitching (0.00%)
- Fabric Production (21.51%)
- Garment Manufacturing (18.22%)
- Finishing & Packaging (0.00%)

\* Current Average Market Value Of High Quality Carbon Credit

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