



# Product Carbon Footprint Calculation Results

02/03/2025 - 16:16

Product	SKU	Gender	Wastage Percentage
SWEATERS	BRETTON KNIT DRESS	Women	5%

Property Name	Property Value	SQM
Body length	knees	0.8352
Fit	regular	0
Sleeves	extra long	0.253
Neck	v neck	-0.018
EU SIZE	L woman	0.19897744204083448

## External - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Wool China	70%	30.2	246.5054	7444.4629
Cashmere	30%	56.6	70.4301	3986.3444
<b>Total</b>	<b>100%</b>	<b>86.8</b>	<b>316.94</b>	<b>11430.81</b>

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

## External - Yarn Production

Process Name	Material	
Carding (CO2e g)	Wool China (CHINA) 63.5239	Cashmere (CHINA) 18.1497
Winding (CO2e g)	Wool China (CHINA) 146.1051	Cashmere (CHINA) 41.7443
Sizing (CO2e g)	Wool China (CHINA) 3.0399	Cashmere (CHINA) 0.8685
Ring Spinning (CO2e g)	Wool China (CHINA) 304.9149	Cashmere (CHINA) 87.1186
Warping (CO2e g)	Wool China (CHINA) 10.3356	Cashmere (CHINA) 2.953
Roving (Co2e g)	Wool China (CHINA) 25.4096	Cashmere (CHINA) 7.2599
Yarn Production - Dyeing (CO2e g)	Wool China (CHINA) 79.0369	Cashmere (CHINA) 22.582
Blowing (CO2e g)	Wool China (CHINA) 57.1716	Cashmere (CHINA) 16.3347

Process Name	Material	
Drawing (CO2e g)	Wool China (CHINA) 38.1144	Cashmere (CHINA) 10.8898
<b>Total</b>	<b>727.65190000000001</b>	<b>207.9005</b>

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

## External - Fabric Production

Process Name	Material	
Heat Setting (CO2e g)	Wool China (CHINA) 0.2726	Cashmere (CHINA) 0.0779
Weaving (CO2e g)	Wool China (CHINA) 259.0032	Cashmere (CHINA) 74.0009
<b>Total</b>	<b>259.2758</b>	<b>74.0788</b>

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

## External - Garment Manufacturing

Process Name	Material	
Finishing Emissions (CO2g)	Wool China (CHINA) 102.2381	Cashmere (CHINA) 29.2109
Laundry Emissions (CO2e g)	Wool China (CHINA) 102.2381	Cashmere (CHINA) 29.2109
Washing & Drying Emissions	Wool China (CHINA) 14.9949	Cashmere (CHINA) 4.2843
<b>Total</b>	<b>219.4711</b>	<b>62.7061</b>

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

Production Group	Process Name	Country	CO2e	Value
Addition	Button Metal Medium Size	CHINA	0.2385	6

## External - Knitting & Trimming

Process Name	Material	
Linking	Wool China (CHINA) 14.9949	Cashmere (CHINA) 4.2843
<b>Total</b>	<b>14.9949</b>	<b>4.2843</b>

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Wool China	CHINA	CHINA		0

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

## External - Finishing & Packaging

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

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

## Final Transportation

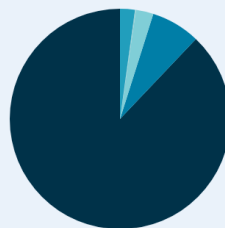
Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Wool China	CHINA	UNITED KINGDOM	AIR - 0	0
Cashmere	CHINA	UNITED KINGDOM	AIR - 0	0
<b>Total</b>				<b>0</b>

### Total Carbon Footprint

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

Estimated Offsetting Cost In EUR \*

**1.3** €



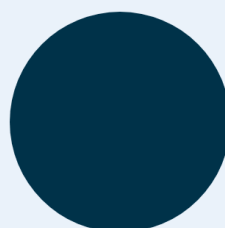
- Raw Material (87.92%)
- Yarn Production (7.20%)
- Fabric Production (2.56%)
- Knitting & Trimming (0.15%)
- Garment Manufacturing (2.17%)
- Finishing & Packaging (0.00%)

### Raw Material Carbon Footprint

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

Estimated Offsetting Cost In EUR \*

**1.14** €



- Raw Material (100%)

### Transportation Carbon Footprint

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

Estimated Offsetting Cost In EUR \*

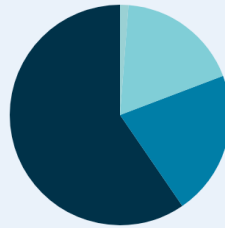
0 €

## Process Carbon Footprint

1.57 kg CO<sub>2</sub>e

Estimated Offsetting Cost In EUR \*

0.16 €



- Yarn Production (59.59%)
- Fabric Production (21.23%)
- Garment Manufacturing (17.99%)
- Knitting & Trimming (1.23%)
- Finishing & Packaging (0.01%)

\* Current Average Market Value Of High Quality Carbon Credit

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