Product Carbon Footprint Calculation Results

02/04/2025 - 15:45

Product	SKU
DRESSES	LORETTA HALTER 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	korean	0.019
EU SIZE	L woman	0.19897744204083448

Layer	Gender	Wastage Percentage
Skirts	Women	5%

Property Name	Property Value	SQM
Length	calf	0.5658
Shape	tube straight	0
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	122.056	1774.6949
Total	**100%**	**14.54**	**122.06**	**1774.69**

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Viscose generic	CHINA	CHINA		0
Total				**0**

External - Yarn Production

Process Name	Material
Carding (CO2e g)	Viscose generic (CHINA) 31.4536
Winding (CO2e g)	Viscose generic (CHINA) 72.3433
Sizing (CO2e g)	Viscose generic (CHINA) 1.5052
Ring Spinning (CO2e g)	Viscose generic (CHINA) 150.9773
Warping (CO2e g)	Viscose generic (CHINA) 5.1176
Roving (Co2e g)	Viscose generic (CHINA) 12.5814
Yarn Production - Dyeing (CO2e g)	Viscose generic (CHINA) 39.1348
Blowing (CO2e g)	Viscose generic (CHINA) 28.3082
Drawing (CO2e g)	Viscose generic (CHINA) 18.8722
Total	**360.29359999999997**

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Viscose generic	CHINA	CHINA		0
Total				**0**

External - Cutting & Stitching

Process Name	Material
Major cutting	Viscose generic (CHINA) 0.0041
Total	**0.0041**

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Viscose generic	CHINA	CHINA		0
Total				**0**

External - Fabric Production

Process Name	Material
Heat Setting (CO2e g)	Viscose generic (CHINA) 0.135
Weaving (CO2e g)	Viscose generic (CHINA) 128.2443
Total	**128.3793**

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Viscose generic	CHINA	CHINA		0
Total				**0**

External - Garment Manufacturing

Process Name	Material
Finishing Emissions (CO2g)	Viscose generic (CHINA) 50.6227
Laundry Emissions (CO2e g)	Viscose generic (CHINA) 50.6227
Washing & Drying Emissions	Viscose generic (CHINA) 7.4247
Total	**108.6701**

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Viscose generic	CHINA	CHINA		0
Total				**0**

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
Viscose generic	CHINA	CHINA		0
Total				**0**

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

Final Transportation

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Viscose generic	CHINA	UNITED KINGDOM	AIR - 0	0
Total				**0**

Total Carbon Footprint

2.37 kg CO_2e

Estimated Offsetting Cost In EUR *
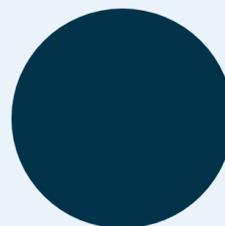
0.24 €
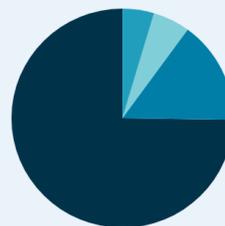
- Raw Material (74.68%)
- Yarn Production (15.20%)
- Fabric Production (5.42%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (4.59%)
- Finishing & Packaging (0.00%)

Raw Material Carbon Footprint

1.77 kg CO_2e

Estimated Offsetting Cost In EUR *

0.18 €

- Raw Material (100%)

Transportation Carbon Footprint

0 kg CO_2e
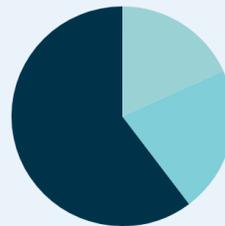
Estimated Offsetting Cost In EUR *

0 €

Process Carbon Footprint

0.6 kg CO$_2$e

Estimated Offsetting Cost In EUR *

0.06 €

- Yarn Production (60.05%)
- Cutting & Stitching (0.00%)
- Fabric Production (21.40%)
- Garment Manufacturing (18.14%)
- Finishing & Packaging (0.01%)

* Current Average Market Value Of High Quality Carbon Credit

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