



# Product Carbon Footprint Calculation Results

02/03/2025 - 16:16

Product	SKU	Gender	Wastage Percentage
TOPS	CLOVE WAISTCOAT	Women	5%

Property Name	Property Value	SQM
Body length	regular	0.6
Fit	regular	0
Sleeves	long	0.289
Neck	crew	0
EU SIZE	L woman	0.19897744204083448

## External - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Cotton generic	70%	2.62	112.6227	295.0715
Viscose generic	28%	14.54	27.3025	396.9779
Elastane generic	2%	10.7	3.9004	41.7338
<b>Total</b>	<b>100%</b>	<b>27.86</b>	<b>143.83</b>	<b>733.78</b>

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

## External - Yarn Production

Process Name	Material		
Carding (CO2e g)	Cotton generic (ITALY) 14.0127	Viscose generic (ITALY) 3.397	Elastane generic (ITALY) 0.4853
Winding (CO2e g)	Cotton generic (ITALY) 32.2293	Viscose generic (ITALY) 7.8132	Elastane generic (ITALY) 1.1162
Sizing (CO2e g)	Cotton generic (ITALY) 0.6706	Viscose generic (ITALY) 0.1626	Elastane generic (ITALY) 0.0232
Ring Spinning (CO2e g)	Cotton generic (ITALY) 67.2612	Viscose generic (ITALY) 16.3057	Elastane generic (ITALY) 2.3294

Process Name	Material		
Warping (CO2e g)	Cotton generic (ITALY) 2.2799	Viscose generic (ITALY) 0.5527	Elastane generic (ITALY) 0.079
Roving (Co2e g)	Cotton generic (ITALY) 5.6051	Viscose generic (ITALY) 1.3588	Elastane generic (ITALY) 0.1941
Yarn Production - Dyeing (CO2e g)	Cotton generic (ITALY) 17.4347	Viscose generic (ITALY) 4.2266	Elastane generic (ITALY) 0.6038
Blowing (CO2e g)	Cotton generic (ITALY) 12.6115	Viscose generic (ITALY) 3.0573	Elastane generic (ITALY) 0.4368
Drawing (CO2e g)	Cotton generic (ITALY) 8.4076	Viscose generic (ITALY) 2.0382	Elastane generic (ITALY) 0.2912
<b>Total</b>	<b>160.5126</b>	<b>38.912099999999995</b>	<b>5.558999999999999</b>

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

## External - Cutting & Stitching

Process Name	Material		
Major cutting	Cotton generic (ITALY) 0.0018	Viscose generic (ITALY) 0.0004	Elastane generic (ITALY) 0.0001
<b>Total</b>	<b>0.0018</b>	<b>0.0004</b>	<b>0.0001</b>

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

## External - Fabric Production

Process Name	Material		
Heat Setting (CO2e g)	Cotton generic (ITALY) 0.0601	Viscose generic (ITALY) 0.0146	Elastane generic (ITALY) 0.0021
Weaving (CO2e g)	Cotton generic (ITALY) 57.1335	Viscose generic (ITALY) 13.8505	Elastane generic (ITALY) 1.9786
<b>Total</b>	<b>57.193599999999996</b>	<b>13.8651</b>	<b>1.9807</b>

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

## External - Garment Manufacturing

Process Name	Material		
Finishing Emissions (CO2g)	Cotton generic (ITALY) 22.5527	Viscose generic (ITALY) 5.4673	Elastane generic (ITALY) 0.781
Laundry Emissions (CO2e g)	Cotton generic (ITALY) 22.5527	Viscose generic (ITALY) 5.4673	Elastane generic (ITALY) 0.781
Washing & Drying Emissions	Cotton generic (ITALY) 3.3077	Viscose generic (ITALY) 0.8019	Elastane generic (ITALY) 0.1146
<b>Total</b>	<b>48.4131</b>	<b>11.7365</b>	<b>1.6766</b>

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

Production Group	Process Name	Country	CO2e	Value
Addition	Button Metal Medium Size	ITALY	0.1192	3

## External - Finishing & Packaging

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

Production Group	Process Name	Country	CO2e	Value
---	Plastic Hanger	ITALY	0.0416	1

## Fabric\_2 - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Viscose generic	100%	14.54	97.5088	1417.7784
<b>Total</b>	<b>100%</b>	<b>14.54</b>	<b>97.51</b>	<b>1417.78</b>

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

## Fabric\_2 - Yarn Production

Process Name	Material
Carding (CO2e g)	Viscose generic (ITALY) 12.1322
Winding (CO2e g)	Viscose generic (ITALY) 27.9042
Sizing (CO2e g)	Viscose generic (ITALY) 0.5806

Process Name	Material
Ring Spinning (CO2e g)	Viscose generic (ITALY) 58.2348
Warping (CO2e g)	Viscose generic (ITALY) 1.974
Roving (Co2e g)	Viscose generic (ITALY) 4.8529
Yarn Production - Dyeing (CO2e g)	Viscose generic (ITALY) 15.095
Blowing (CO2e g)	Viscose generic (ITALY) 10.919
Drawing (CO2e g)	Viscose generic (ITALY) 7.2793
<b>Total</b>	<b>138.972</b>

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

## Fabric\_2 - Cutting & Stitching

Process Name	Material
Major cutting	Viscose generic (ITALY) 0.0016
<b>Total</b>	<b>0.0016</b>

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

## Fabric\_2 - Fabric Production

Process Name	Material
Heat Setting (CO2e g)	Viscose generic (ITALY) 0.0521
Weaving (CO2e g)	Viscose generic (ITALY) 49.4662
<b>Total</b>	<b>49.5183</b>

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

## Fabric\_2 - Garment Manufacturing

Process Name	Material
Finishing Emissions (CO2g)	Viscose generic (ITALY) 19.5261
Laundry Emissions (CO2e g)	Viscose generic (ITALY) 19.5261
Washing & Drying Emissions	Viscose generic (ITALY) 2.8638
<b>Total</b>	<b>41.916</b>

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

Production Group	Process Name	Country	CO2e	Value
Addition	Button Metal Medium Size	ITALY	0.1192	3

## Fabric\_2 - Finishing & Packaging

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

Production Group	Process Name	Country	CO2e	Value
---	Plastic Hanger	ITALY	0.0416	1

## Fabric\_3 - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Viscose generic	100%	14.54	97.5088	1417.7784
<b>Total</b>	<b>100%</b>	<b>14.54</b>	<b>97.51</b>	<b>1417.78</b>

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

## Fabric\_3 - Yarn Production

Process Name	Material
Carding (CO2e g)	Viscose generic (CHINA) 25.1278
Winding (CO2e g)	Viscose generic (CHINA) 57.794
Sizing (CO2e g)	Viscose generic (CHINA) 1.2025
Ring Spinning (CO2e g)	Viscose generic (CHINA) 120.6136
Warping (CO2e g)	Viscose generic (CHINA) 4.0884
Roving (Co2e g)	Viscose generic (CHINA) 10.0511
Yarn Production - Dyeing (CO2e g)	Viscose generic (CHINA) 31.2642
Blowing (CO2e g)	Viscose generic (CHINA) 22.615
Drawing (CO2e g)	Viscose generic (CHINA) 15.0767
<b>Total</b>	<b>287.8333</b>

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

## Fabric\_3 - Fabric Production

Process Name	Material
Heat Setting (CO2e g)	Viscose generic (CHINA) 0.1078
Weaving (CO2e g)	Viscose generic (CHINA) 102.4525

Process Name	Material
<b>Total</b>	<b>102.5603</b>

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

### Fabric\_3 - Garment Manufacturing

Process Name	Material
Finishing Emissions (CO2g)	Viscose generic (ITALY) 19.5261
Laundry Emissions (CO2e g)	Viscose generic (ITALY) 19.5261
Washing & Drying Emissions	Viscose generic (ITALY) 2.8638
<b>Total</b>	<b>41.916</b>

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

Production Group	Process Name	Country	CO2e	Value
Addition	Button Metal Medium Size	ITALY	0.1192	3

### Fabric\_3 - Finishing & Packaging

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

Production Group	Process Name	Country	CO2e	Value
---	Plastic Hanger	ITALY	0.0416	1

### Final Transportation

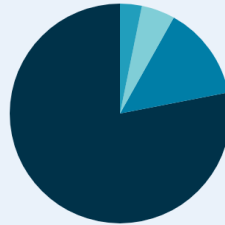
Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Cotton generic	ITALY	UNITED KINGDOM	AIR - 0	0
Viscose generic	ITALY	UNITED KINGDOM	AIR - 0	0
Elastane generic	ITALY	UNITED KINGDOM	AIR - 0	0
<b>Total</b>				<b>0</b>

**Total Carbon Footprint**

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

Estimated Offsetting Cost In EUR \*

**0.46** €



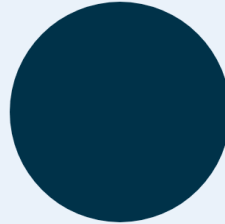
- Raw Material (78.12%)
- Yarn Production (13.82%)
- Fabric Production (4.93%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (3.19%)
- Finishing & Packaging (0.00%)

### Raw Material Carbon Footprint

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

Estimated Offsetting Cost In EUR \*

**0.36** €



- Raw Material (100%)

### Transportation Carbon Footprint

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

Estimated Offsetting Cost In EUR \*

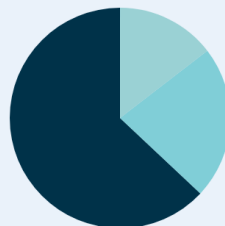
**0** €

### Process Carbon Footprint

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

Estimated Offsetting Cost In EUR \*

**0.1** €



- Yarn Production (63.18%)
- Cutting & Stitching (0.00%)
- Fabric Production (22.51%)
- Garment Manufacturing (14.58%)
- Finishing & Packaging (0.00%)

\* Current Average Market Value Of High Quality Carbon Credit

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