

## Product Carbon Footprint Calculation Results

07/17/2025 - 10:21

Product	SKU	Gender	Wastage Percentage
SKIRTS	25AW-TDJ-54885	Women	5%

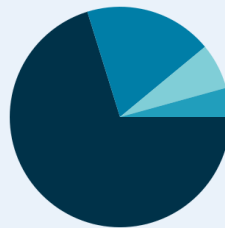
Property Name	Property Value	SQM
Length	knees	0.4761
Rise	regular	0
Shape	circle	324
EU SIZE	S woman	0.18141289437586086

### Total Carbon Footprint

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

Estimated Offsetting Cost In EUR \*

**0.35** €



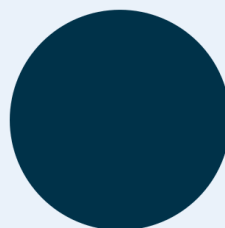
- Raw Material (70.17%)
- Yarn Production (18.79%)
- Fabric Production (6.71%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (4.27%)
- Finishing & Packaging (0.00%)

### Raw Material Carbon Footprint

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

Estimated Offsetting Cost In EUR \*

**0.25** €



- Raw Material (100%)

### Transportation Carbon Footprint

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

Estimated Offsetting Cost In EUR \*

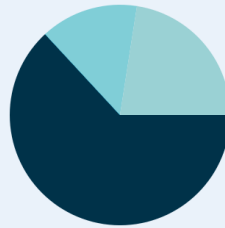
0 €

## Process Carbon Footprint

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

Estimated Offsetting Cost In EUR \*

0.11 €



- Yarn Production (62.99%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (14.32%)
- Fabric Production (22.49%)
- Finishing & Packaging (0.00%)

\* Current Average Market Value Of High Quality Carbon Credit

## Phases country risk

Layer	Production Phase	Country	Country Risk / Provider
WOVEN COTTON	Raw Material	ITALY	Moderate Risk
WOVEN COTTON	Yarn Production	ITALY	Moderate Risk
WOVEN COTTON	Fabric Production	ITALY	Moderate Risk
WOVEN COTTON	Cutting & Stitching	PORTUGAL	Moderate Risk
WOVEN COTTON	Garment Manufacturing	PORTUGAL	Moderate Risk
WOVEN COTTON	Finishing & Packaging	PORTUGAL	Moderate Risk
T-LOGO LINING	Raw Material	CHINA	High Risk
T-LOGO LINING	Yarn Production	CHINA	High Risk
T-LOGO LINING	Fabric Production	CHINA	High Risk
T-LOGO LINING	Cutting & Stitching	PORTUGAL	Moderate Risk
T-LOGO LINING	Garment Manufacturing	PORTUGAL	Moderate Risk
T-LOGO LINING	Finishing & Packaging	PORTUGAL	Moderate Risk

## Water Footprint & Land Impact Summary

Production Phase	Green Water (liters)	Blue Water (liters)	Grey Water (liters)
Raw Material	1148.76	284.04	474.17
Yarn Production	0	227.23	331.92
Fabric Production	0	213.03	355.63
Garment Manufacturing	0	360.69	664.71
<b>Total (Liters)</b>	<b>1148.76</b>	<b>1084.99</b>	<b>1826.43</b>

Land Impact Summary	
Total Land Use (m2)	0.02

### WOVEN COTTON - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Polyester China	47%	3.1	69.284	214.7803
Cotton generic	53%	2.62	117.1931	307.046
<b>Total</b>	<b>100%</b>	<b>5.72</b>	<b>186.48</b>	<b>521.83</b>

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

### WOVEN COTTON - Yarn Production

Process Name	Material	
Carding (CO2e g)	Polyester China (ITALY) 8.6205	Cotton generic (ITALY) 14.5814
Winding (CO2e g)	Polyester China (ITALY) 19.827	Cotton generic (ITALY) 33.5372
Sizing (CO2e g)	Polyester China (ITALY) 0.4125	Cotton generic (ITALY) 0.6978
Ring Spinning (CO2e g)	Polyester China (ITALY) 41.3782	Cotton generic (ITALY) 69.9907
Warping (CO2e g)	Polyester China (ITALY) 1.4026	Cotton generic (ITALY) 2.3725
Roving (Co2e g)	Polyester China (ITALY) 3.4482	Cotton generic (ITALY) 5.8326
Dyeing (CO2e g)	Polyester China (ITALY) 10.7256	Cotton generic (ITALY) 18.1423
Blowing (CO2e g)	Polyester China (ITALY) 7.7584	Cotton generic (ITALY) 13.1233
Drawing (CO2e g)	Polyester China (ITALY) 5.1723	Cotton generic (ITALY) 8.7488
<b>Total</b>	<b>98.74530000000001</b>	<b>167.0266</b>

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

### WOVEN COTTON - Cutting & Stitching

Process Name	Material	
Major cutting	Polyester China (PORTUGAL) 0.0007	Cotton generic (PORTUGAL) 0.0012
<b>Total</b>	<b>0.0007</b>	<b>0.0012</b>

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

## WOVEN COTTON - Garment Manufacturing

Process Name	Material	
Garment dyeing (CO2e g)	Polyester China (PORTUGAL) 14.0612	Cotton generic (PORTUGAL) 23.7843
Finishing Emissions (CO2g)	Polyester China (PORTUGAL) 8.5739	Cotton generic (PORTUGAL) 14.5026
Laundry Emissions (CO2e g)	Polyester China (PORTUGAL) 8.5739	Cotton generic (PORTUGAL) 14.5026
Washing & Drying Emissions	Polyester China (PORTUGAL) 1.2575	Cotton generic (PORTUGAL) 2.1271
<b>Total</b>	<b>32.4665</b>	<b>54.9166</b>

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

Production Group	Process Name	Country	CO2e	Value
Addition	Zip (cm)	PORTUGAL	0.2003	21

## WOVEN COTTON - Fabric Production

Process Name	Material	
Heat Setting (CO2e g)	Polyester China (ITALY) 0.037	Cotton generic (ITALY) 0.0626
Coating (CO2e g)	Polyester China (ITALY) 0	Cotton generic (ITALY) 0
Bonding (CO2e g)	Polyester China (ITALY) 0.0768	Cotton generic (ITALY) 0.1299
Weaving (CO2e g)	Polyester China (ITALY) 35.1478	Cotton generic (ITALY) 59.4521
<b>Total</b>	<b>35.261599999999994</b>	<b>59.644600000000004</b>

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Polyester China	ITALY	PORTUGAL	Truck/Heavy goods vehicle - 0 Aircraft - 0	0
Cotton generic	ITALY	PORTUGAL	Truck/Heavy goods vehicle - 0 Aircraft - 0	0
<b>Total</b>				<b>0</b>

## WOVEN COTTON - Finishing & Packaging

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

Production Group	Process Name	Country	CO2e	Value
---	Plastic Hanger	PORTUGAL	0.0257	1

## T-LOGO LINING - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Viscose generic	100%	14.54	134.0116	1948.5282
<b>Total</b>	<b>100%</b>	<b>14.54</b>	<b>134.01</b>	<b>1948.53</b>

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

## T-LOGO LINING - Yarn Production

Process Name	Material
Carding (CO2e g)	Viscose generic (CHINA) 34.5345
Winding (CO2e g)	Viscose generic (CHINA) 79.4294
Sizing (CO2e g)	Viscose generic (CHINA) 1.6526
Ring Spinning (CO2e g)	Viscose generic (CHINA) 165.7657
Warping (CO2e g)	Viscose generic (CHINA) 5.6189
Roving (Co2e g)	Viscose generic (CHINA) 13.8138
Dyeing (CO2e g)	Viscose generic (CHINA) 42.968
Blowing (CO2e g)	Viscose generic (CHINA) 31.0811
Drawing (CO2e g)	Viscose generic (CHINA) 20.7207
<b>Total</b>	<b>395.58470000000005</b>

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

## T-LOGO LINING - Cutting & Stitching

Process Name	Material
Major cutting	Viscose generic (PORTUGAL) 0.0013
<b>Total</b>	<b>0.0013</b>

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

## T-LOGO LINING - Garment Manufacturing

Process Name	Material
Garment dyeing (CO2e g)	Viscose generic (PORTUGAL) 27.1976
Finishing Emissions (CO2g)	Viscose generic (PORTUGAL) 16.5839
Laundry Emissions (CO2e g)	Viscose generic (PORTUGAL) 16.5839
Washing & Drying Emissions	Viscose generic (PORTUGAL) 2.4323
<b>Total</b>	<b>62.7977</b>

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

Production Group	Process Name	Country	CO2e	Value
Addition	Zip (cm)	PORTUGAL	0.2003	21

## T-LOGO LINING - Fabric Production

Process Name	Material
Heat Setting (CO2e g)	Viscose generic (CHINA) 0.1482
Coating (CO2e g)	Viscose generic (CHINA) 0
Bonding (CO2e g)	Viscose generic (CHINA) 0.3075
Weaving (CO2e g)	Viscose generic (CHINA) 140.806
<b>Total</b>	<b>141.26170000000002</b>

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

## T-LOGO LINING - Finishing & Packaging

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

Production Group	Process Name	Country	CO2e	Value
---	Plastic Hanger	PORTUGAL	0.0257	1

## Final Transportation

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

The software tools and services provided by Edmond Climate Network SA (hereinafter referred to as "the Company") are designed to assist users in the calculation and optimization of the carbon footprint of products in the fashion industry. However, the results, data, and recommendations provided by our software are for informational purposes only, with a tolerance of +/-10% and are not intended to constitute professional advice.

By using our software, the user acknowledges and agrees that the Company shall not be held responsible or liable for any direct, indirect, incidental, consequential, or punitive damages, including but not limited to any loss of profits, data, or business interruptions, that may arise from the use, misuse, or reliance on any data or information generated by our tools.

Furthermore, it is the sole responsibility of the user to ensure the accuracy, completeness, and verifiability of all

data entered into the Company's software. The Company is not liable for any errors, inaccuracies, or omissions in the input data provided by the user. The user is responsible for ensuring that the data provided for calculation is correct and up-to-date. The Company does not guarantee the accuracy, reliability, or completeness of the results generated from the software, which are contingent upon the input data provided by the user.

The user understands and agrees that the Company provides no warranties, express or implied, regarding the accuracy, applicability, or reliability of the results generated by the software and disclaims any responsibility for the consequences of decisions made based on such results.

By using the software, the user agrees to indemnify and hold harmless the Company, its officers, directors, employees, and agents from any claims, damages, or losses resulting from the misuse of the software or any failure by the user to input correct or verifiable data.

This disclaimer is subject to change without notice, and users are encouraged to review it regularly to stay informed of any updates.

