



# Product Carbon Footprint Calculation Results

02/03/2025 - 16:16

Product	SKU	Gender	Wastage Percentage
SHIRTS	NELLE SLEEVELESS TOP	Women	5%

Property Name	Property Value	SQM
Body length	regular	0.7
Fit	slim	0.81
Sleeves	no sleeves	0
Neck	crew	0
EU SIZE	L woman	0.19897744204083448

## External - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Cotton India	100%	0.89	115.2831	102.6019
<b>Total</b>	<b>100%</b>	<b>0.89</b>	<b>115.28</b>	<b>102.6</b>

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Cotton India	INDIA	INDIA		0
<b>Total</b>				<b>0</b>

## External - Yarn Production

Process Name	Material
Carding (CO2e g)	Cotton India (INDIA) 41.6882
Winding (CO2e g)	Cotton India (INDIA) 95.8829
Sizing (CO2e g)	Cotton India (INDIA) 1.995
Ring Spinning (CO2e g)	Cotton India (INDIA) 200.1034
Warping (CO2e g)	Cotton India (INDIA) 6.7828
Roving (Co2e g)	Cotton India (INDIA) 16.6753
Yarn Production - Dyeing (CO2e g)	Cotton India (INDIA) 51.8687
Blowing (CO2e g)	Cotton India (INDIA) 37.5194
Drawing (CO2e g)	Cotton India (INDIA) 25.0129
<b>Total</b>	<b>477.5286</b>

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Cotton India	INDIA	INDIA		0
<b>Total</b>				<b>0</b>

## External - Cutting & Stitching

Process Name	Material
Major cutting	Cotton India (INDIA) 0.0054
<b>Total</b>	<b>0.0054</b>

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Cotton India	INDIA	INDIA		0
<b>Total</b>				<b>0</b>

## External - Fabric Production

Process Name	Material
Heat Setting (CO2e g)	Cotton India (INDIA) 0.1789
Weaving (CO2e g)	Cotton India (INDIA) 169.9734
<b>Total</b>	<b>170.1523</b>

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Cotton India	INDIA	INDIA		0
<b>Total</b>				<b>0</b>

## External - Garment Manufacturing

Process Name	Material
Finishing Emissions (CO2g)	Cotton India (INDIA) 67.0948
Laundry Emissions (CO2e g)	Cotton India (INDIA) 67.0948
Washing & Drying Emissions	Cotton India (INDIA) 9.8406
<b>Total</b>	<b>144.0302</b>

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Cotton India	INDIA	INDIA		0
<b>Total</b>				<b>0</b>

Production Group	Process Name	Country	CO2e	Value
Addition	Button Plastic Small Size	INDIA	0.0082	1

## External - Finishing & Packaging

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Cotton India	INDIA	INDIA		0
<b>Total</b>				<b>0</b>

Production Group	Process Name	Country	CO2e	Value
---	Plastic Hanger	INDIA	0.1209	1

## Fabric\_2 - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Polyester generic	100%	2.8	76.8554	215.1951
<b>Total</b>	<b>100%</b>	<b>2.8</b>	<b>76.86</b>	<b>215.2</b>

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

## Fabric\_2 - Yarn Production

Process Name	Material
Carding (CO2e g)	Polyester generic (INDIA) 27.7921
Winding (CO2e g)	Polyester generic (INDIA) 63.9219
Sizing (CO2e g)	Polyester generic (INDIA) 1.33
Ring Spinning (CO2e g)	Polyester generic (INDIA) 133.4023
Warping (CO2e g)	Polyester generic (INDIA) 4.5219
Roving (Co2e g)	Polyester generic (INDIA) 11.1169
Yarn Production - Dyeing (CO2e g)	Polyester generic (INDIA) 34.5791
Blowing (CO2e g)	Polyester generic (INDIA) 25.0129
Drawing (CO2e g)	Polyester generic (INDIA) 16.6753
<b>Total</b>	<b>318.3524</b>

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

## Fabric\_2 - Fabric Production

Process Name	Material
Heat Setting (CO2e g)	Polyester generic (INDIA) 0.1193
Weaving (CO2e g)	Polyester generic (INDIA) 113.3156
<b>Total</b>	<b>113.4349</b>

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

## Fabric\_2 - Garment Manufacturing

Process Name	Material
Finishing Emissions (CO2g)	Polyester generic (INDIA) 44.7298

Process Name	Material
Laundry Emissions (CO2e g)	Polyester generic (INDIA) 44.7298
Washing & Drying Emissions	Polyester generic (INDIA) 6.5604
<b>Total</b>	<b>96.02</b>

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

Production Group	Process Name	Country	CO2e	Value
Addition	Button Plastic Small Size	INDIA	0.0082	1

## Fabric\_2 - Finishing & Packaging

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

Production Group	Process Name	Country	CO2e	Value
---	Plastic Hanger	INDIA	0.1209	1

## Final Transportation

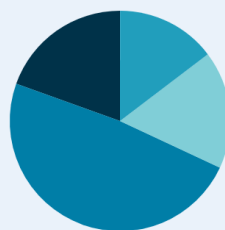
Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Cotton India	INDIA	UNITED KINGDOM	AIR - 0	0
<b>Total</b>				<b>0</b>

### Total Carbon Footprint

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

Estimated Offsetting Cost In EUR \*

**0.16** €



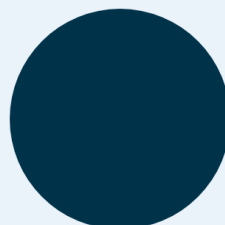
- Raw Material (19.51%)
- Yarn Production (48.53%)
- Fabric Production (17.29%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (14.64%)
- Finishing & Packaging (0.01%)

### Raw Material Carbon Footprint

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

Estimated Offsetting Cost In EUR \*

**0.03** €



- Raw Material (100%)

## Transportation Carbon Footprint

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

Estimated Offsetting Cost In EUR \*

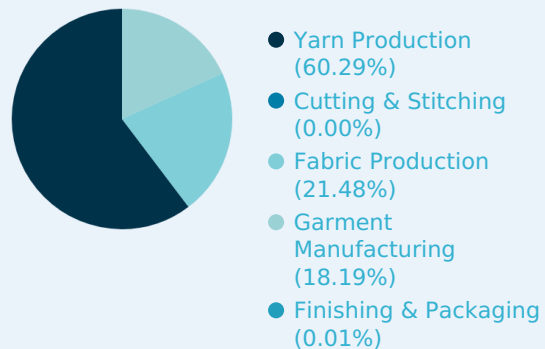
0 €

## Process Carbon Footprint

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

Estimated Offsetting Cost In EUR \*

0.13 €



\* Current Average Market Value Of High Quality Carbon Credit

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