



# Product Carbon Footprint Calculation Results

02/03/2025 - 16:16

Product	SKU
DRESSES	MONIKH STRAPPY 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	off shoulder	-0.095
EU SIZE	L woman	0.19897744204083448

Layer	Gender	Wastage Percentage
Skirts	Women	5%

Property Name	Property Value	SQM
Length	calf	0.5658
Shape	gipsy	625
Rise	regular	0
EU SIZE	L woman	0.19897744204083448

## External - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Cotton India	80%	0.89	349.4036	310.9692
Silk India	20%	80.9	37.058	2997.9891
<b>Total</b>	<b>100%</b>	<b>81.79</b>	<b>386.46</b>	<b>3308.96</b>

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

## External - Yarn Production

Process Name	Material	
Carding (CO2e g)	Cotton India (INDIA) 126.3499	Silk India (INDIA) 13.4008
Winding (CO2e g)	Cotton India (INDIA) 290.6049	Silk India (INDIA) 30.8217
Sizing (CO2e g)	Cotton India (INDIA) 6.0464	Silk India (INDIA) 0.6413
Ring Spinning (CO2e g)	Cotton India (INDIA) 606.4797	Silk India (INDIA) 64.3236
Warping (CO2e g)	Cotton India (INDIA) 20.5576	Silk India (INDIA) 2.1804
Roving (Co2e g)	Cotton India (INDIA) 50.54	Silk India (INDIA) 5.3603
Yarn Production - Dyeing (CO2e g)	Cotton India (INDIA) 157.2054	Silk India (INDIA) 16.6733
Blowing (CO2e g)	Cotton India (INDIA) 113.715	Silk India (INDIA) 12.0607
Drawing (CO2e g)	Cotton India (INDIA) 75.81	Silk India (INDIA) 8.0405
<b>Total</b>	<b>1447.3089</b>	<b>153.5026</b>

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

## External - Cutting & Stitching

Process Name	Material	
Major cutting	Cotton India (INDIA) 0.0165	Silk India (INDIA) 0.0017
<b>Total</b>	<b>0.0165</b>	<b>0.0017</b>

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

## External - Fabric Production

Process Name	Material	
Heat Setting (CO2e g)	Cotton India (INDIA) 0.5423	Silk India (INDIA) 0.0575
Weaving (CO2e g)	Cotton India (INDIA) 515.1607	Silk India (INDIA) 54.6383
<b>Total</b>	<b>515.703</b>	<b>54.6958</b>

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

## External - Garment Manufacturing

Process Name	Material	
Finishing Emissions (CO2g)	Cotton India (INDIA) 203.3529	Silk India (INDIA) 21.5677
Laundry Emissions (CO2e g)	Cotton India (INDIA) 203.3529	Silk India (INDIA) 21.5677
Washing & Drying Emissions	Cotton India (INDIA) 29.8251	Silk India (INDIA) 3.1633
<b>Total</b>	<b>436.53090000000003</b>	<b>46.2987</b>

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

## External - Finishing & Packaging

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Cotton India	INDIA	INDIA		0
Silk 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
Cotton India	100%	0.89	436.7546	388.7116
<b>Total</b>	<b>100%</b>	<b>0.89</b>	<b>436.75</b>	<b>388.71</b>

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

## Fabric\_2 - Yarn Production

Process Name	Material
Carding (CO2e g)	Cotton India (INDIA) 157.9374
Winding (CO2e g)	Cotton India (INDIA) 363.2561
Sizing (CO2e g)	Cotton India (INDIA) 7.558
Ring Spinning (CO2e g)	Cotton India (INDIA) 758.0997
Warping (CO2e g)	Cotton India (INDIA) 25.697
Roving (Co2e g)	Cotton India (INDIA) 63.175
Yarn Production - Dyeing (CO2e g)	Cotton India (INDIA) 196.5067
Blowing (CO2e g)	Cotton India (INDIA) 142.1437
Drawing (CO2e g)	Cotton India (INDIA) 94.7625
<b>Total</b>	<b>1809.1361</b>

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

## Fabric\_2 - Cutting & Stitching

Process Name	Material
Major cutting	Cotton India (INDIA) 0.0206
<b>Total</b>	<b>0.0206</b>

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

## Fabric\_2 - Fabric Production

Process Name	Material
Heat Setting (CO2e g)	Cotton India (INDIA) 0.6778
Weaving (CO2e g)	Cotton India (INDIA) 643.9509
<b>Total</b>	<b>644.6287000000001</b>

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

## Fabric\_2 - Garment Manufacturing

Process Name	Material
Finishing Emissions (CO2g)	Cotton India (INDIA) 254.1911
Laundry Emissions (CO2e g)	Cotton India (INDIA) 254.1911
Washing & Drying Emissions	Cotton India (INDIA) 37.2814
<b>Total</b>	<b>545.6636</b>

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

## Fabric\_2 - 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

## Final Transportation

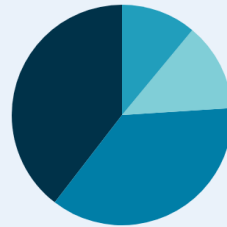
Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Cotton India	INDIA	UNITED KINGDOM	AIR - 0	0
Silk India	INDIA	UNITED KINGDOM	AIR - 0	0
<b>Total</b>				<b>0</b>

### Total Carbon Footprint

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

Estimated Offsetting Cost In EUR \*

**0.94** €



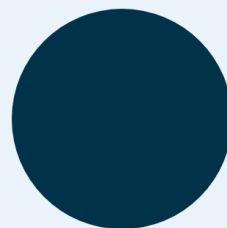
- Raw Material (39.57%)
- Yarn Production (36.47%)
- Fabric Production (12.99%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (11.00%)
- Finishing & Packaging (0.00%)

### Raw Material Carbon Footprint

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

Estimated Offsetting Cost In EUR \*

**0.37** €



- Raw Material (100%)

### Transportation Carbon Footprint

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

Estimated Offsetting Cost In EUR \*

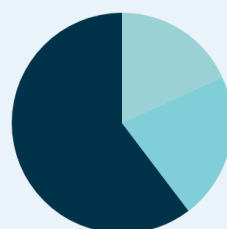
**0** €

### Process Carbon Footprint

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

Estimated Offsetting Cost In EUR \*

**0.57** €



- Yarn Production (60.35%)
- Cutting & Stitching (0.00%)
- Fabric Production (21.50%)
- Garment Manufacturing (18.20%)
- Finishing & Packaging (0.00%)

\* Current Average Market Value Of High Quality Carbon Credit

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