

SUSTAINABLE FIBRES

TECHNICAL SUMMARY

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INDEX

03. Sustainable Cotton

Better Cotton

Organic Cotton

07. Sustainable Viscoses

ECOVERO Viscose

Lyocell – TENCEL or

REFIBRA

10. Recycled

GRS Recycled

RCS Recycled

13. Sustainable Linen

EUROPEAN FLAX

16. Deko- Tex Standard 100 Certification by Oeko-Tex, Annex 4, Class I products

18. Summary of Certifications

Sustainably produced raw material

The production of sustainable textile articles defends the reduction of the use of pollutant materials in the production of the article, in order to minimize impacts on the environment.

A sustainable fabric is one that generates less impact on the environment, from the manufacturing process to its end of life and promotes the reuse of materials.

- **The less possible impact on the environment**, from cultivation allowing soils to rest, to controlled tree felling, to the use of recycled materials.
- **Use of non-toxic chemical agents for the environment**, from cultivation to the production process.
- Promotion of **fair labour conditions**.

SUSTAINABLE FIBRES

Sustainable Cotton

04. Better Cotton

05. Organic Cotton

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Better Cotton

Sustainable Cotton

The verification/validation of the sale of BCI cotton is done through the transmission of BCCUs (Better Cotton Claim Units) for each kg of BCI cotton. This transmission is done through the BCI platform, and Satinskin Têxteis SA has been a BCI member no. 1004507-1 since 2018.

IMPORTANT NOTES:

- BCI cotton may not be organic cotton.
- In order to receive BCCUs you must be a member or registered member of the BCI platform.

For more information see:
<https://bettercotton.org/>



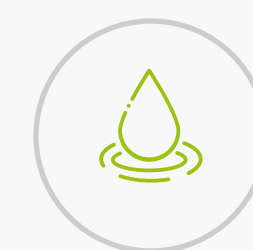
BETTER COTTON INITIATIVE (BCI) is a global non-profit organisation and the world's largest cotton sustainability programme. BCI exists to make global cotton production better for the people who produce it, better for the environment it grows in and better for the future of the industry.

BCI cotton is cotton processed and harvested from farmers trained to **minimise the use of fertilisers and pesticides**, use water and soil sustainably and follow the principles of **equity in labour relations**. BCI defines six Production Principles that describe the broad areas under the farmer's control, which must be tended by the farmer in order to produce Better Cotton.

Better Cotton is produced by farmers who:



Minimise the damaging impacts of crop protection practices.



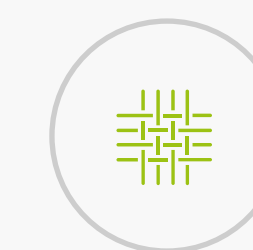
Use water efficiently and ensure water availability.



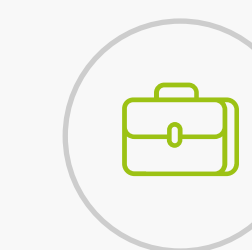
Care for soil health.



Conserve natural habitats.



Care for and preserve fibre quality.



Promote fair labour relations.

Organic Cotton

Sustainable Cotton

Organic cotton is grown using methods and materials that have a low impact on the environment.

Organic production systems replenish and maintain soil fertility, reduce the use of pesticides and toxic fertilisers, and build biologically diverse agriculture.



GOTS Organic Cotton (Global Organic Textile Standard)

GOTS certified cotton guarantees the status of organic textiles, from the harvesting of raw materials through environmentally and socially responsible manufacturing compliance with safety requirements to labelling, and to provide guarantees of consumer confidence.

The requirements cover the processing, manufacturing (chemical control, traceability in all manufacturing processes), manufacturing, packaging, labelling, trade and distribution of all woven and/or knitted fabrics with **at least 70% certified organic natural fibres**.

Satinskin Têxteis SA is GOTS certified.

Certificate number CU1026141.

IMPORTANT NOTES:



- The entire supply chain must be GOTS certified.
- The customer is provided with a Transaction Certificate (TC) for every kg of organic cotton purchased.
- GOTS logos on the final article are only allowed if the final customer/brand is also GOTS certified.
- If the customer is not certified, the TC of the raw material, provided by the supplier, can be sent to the customer.

For more information see: <https://global-standard.org/the-standard>

Organic Cotton

Sustainable Cotton

Organic cotton is grown using methods and materials that have a low impact on the environment.

Organic production systems replenish and maintain soil fertility, reduce the use of pesticides and toxic fertilisers, and build biologically diverse agriculture.



OCS Organic Cotton (Organic Content Standard)

The OCS standard applies to products containing between **5% and 100% organic raw materials**, which means that these OCS cottons follow criteria that ensure the traceability and integrity of the raw materials throughout the supply chain, from source to final product.

Satinskin Têxteis SA is OCS certified.

Certificate number CU1026141

IMPORTANT NOTES:

- The entire supply chain must be OCS certified.
- The customer is provided with a Transaction Certificate (TC) for every kg of organic cotton purchased.
- OCS logos on the final article are only allowed if the final customer/brand is also OCS certified.
- If the customer is not certified, the TC of the raw material, provided by the supplier, can be sent to the customer.

For more information see: <https://textileexchange.org/standards/organic-content-standard/>

Sustainable Viscoses

08. Viscose ECOVERO

09. Lyocell TENCEL or REFIBRA

Sustainable viscose is a viscose whose fibre is derived from sustainable wood and pulp and the entire fibre production process is carried out under high environmental standards.

They are viscose that contain a detectable tracer.

There are several viscose, modal and sustainable lyocell among them:

- **Ecovero™** from Lenzing-Austria and China, **Livaeco™** from Birla-China/Thailand, **Ecotang** from Sanyou-China and **Enka**-Germany;
- **Tencel™** modal from Lenzing-Austria, **modal** from Birla-Thailand, **modal** from Sanyou-China;
- **Tencel™** Lyocell from Lenzing, Lyocell Refibra from Lenzing, Excel Lyocell from Birla.

The fibres most commonly used by **Satinskin** are described below, and the method of identifying them to the customer is identical for all the brands presented.



SUSTAINABLE FIBRES

ECOVERO Viscose

Sustainable Viscosés

LENZING™ ECOVERO™ are fibres with ecologically sustainable viscose with low environmental impact, based on 3 factors:

LENZING™
EcoVero™

LENZING™ ECOVERO™ Viscose fibers are derived from sustainable wood and pulp, coming from certified and controlled sources. (FSC certification).

LENZING™ ECOVERO™ Viscose fibres derived from certified and controlled wood sources and produced with significantly lower fossil energy use and water than generic viscose, LENZING™ ECOVERO™ branded viscose fibers are certified with the internationally recognized EU Ecolabel for textile products. This label of environmental excellence is only awarded to products and services, which have a significantly lower environmental impact throughout their lifecycle: from raw material extraction to production, distribution, and disposal.

LENZING™ ECOVERO™ Viscose fibres can be unequivocally identified in the end product.



Lyocell TENCEL or REFIBRA



Sustainable Viscososes

LENZING TENCEL™ Lyocell fibre with REFIBRA™ technology is produced in an efficient closed process that has contributed to the circular textile economy, the use of energy and media is reduced to a minimum having a huge impact on environmental and resource protection.

The pioneering REFIBRA™ technology involves upcycling cotton scraps from garment production. These cotton scraps are transformed into cotton pulp. A substantial proportion – up to one third – of this is added to wood pulp, and the combined raw material is transformed to produce new virgin TENCEL™ Lyocell fibers to make fabrics and garments.



IMPORTANT NOTES:

- To ensure the veracity of the fiber, a sample is sent to Lenzing and a certificate (the Fabric Certification Confirmation Letter - FCL) is issued afterwards, proving that the purchased fiber is ECOVERO™/TENCEL. The FCL corresponding to the lot used in the production of your order is sent to the client.
- In order for the client to identify the product with the Ecovero or TENCEL logo (labels, stickers), a Product License (incl. Swing Tickets) must be requested on the Lenzing website.

<https://brandingservice.lenzing.com>

Recycled

11. *GRS Recycled*

12. *RCS Recycled*

An environmentally sustainable recycled fibre is obtained from regenerated raw materials in accordance with current traceability requirements.

Recycled articles include cotton from pre-consumer waste recycling, polyester from PET bottles.



GRS Recycled (Global Recycled Standards)

Recycled

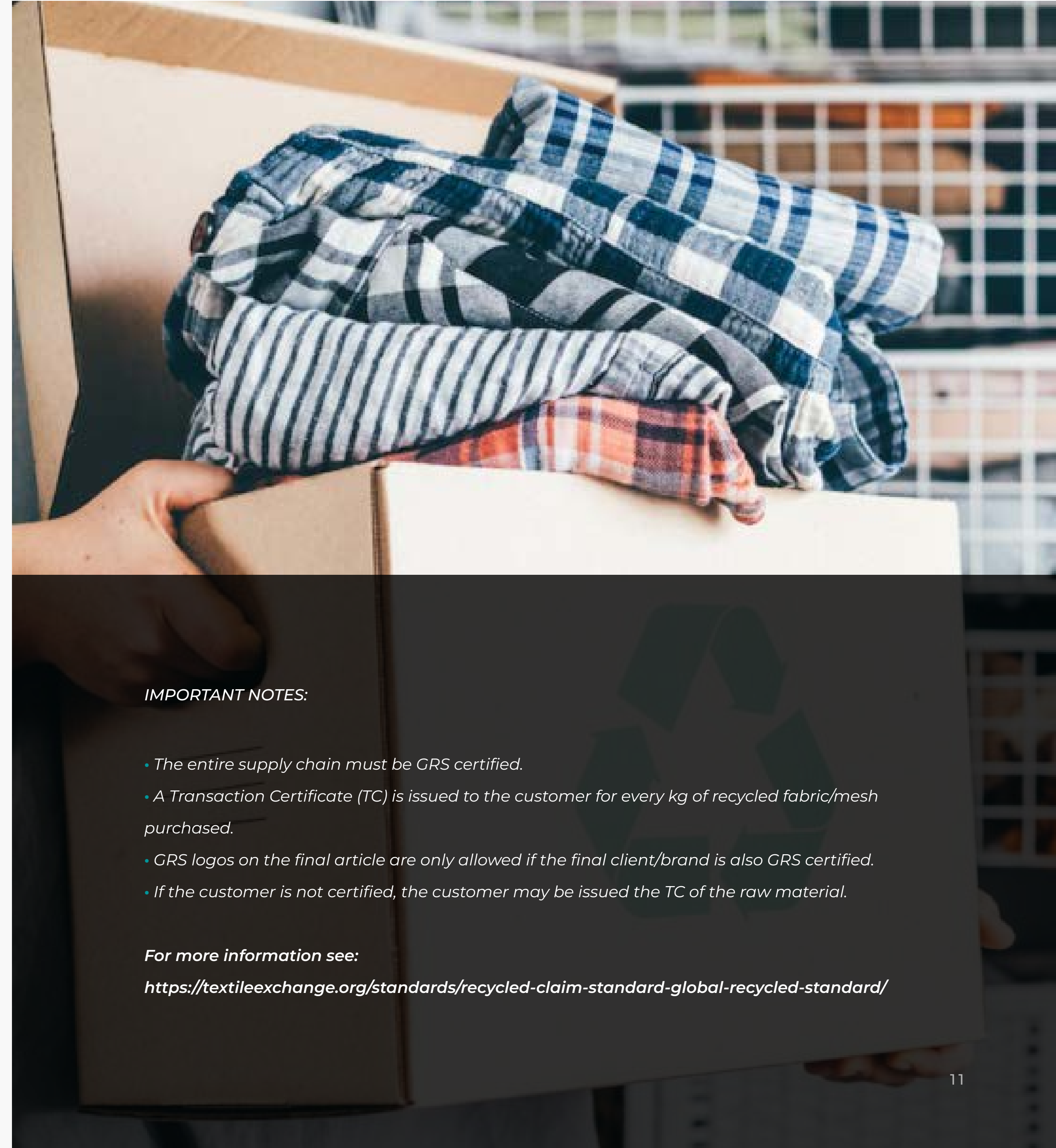


GRS certified recycled articles guarantee that the presence and quantity of **at least 20% of a recycled material in the final product** and that the process chain, social practices, environmental responsibilities, and chemical restrictions are met.

Thus reusing and recycling materials contributes to reducing dependence on non-renewable resources and minimising the environmental impact of emissions and waste disposal.

Satinskin Têxteis SA is GRS certified.

Certificate number CU1026141



IMPORTANT NOTES:

- *The entire supply chain must be GRS certified.*
- *A Transaction Certificate (TC) is issued to the customer for every kg of recycled fabric/mesh purchased.*
- *GRS logos on the final article are only allowed if the final client/brand is also GRS certified.*
- *If the customer is not certified, the customer may be issued the TC of the raw material.*

For more information see:

<https://textileexchange.org/standards/recycled-claim-standard-global-recycled-standard/>

RCS Recycled (Recycled Claim Standard)

Recycled



RCS certified recycled articles guarantee the presence and quantity of **at least 5% of a recycled material in the final product**. RCS certification enables transparent, consistent, comprehensive and independent evaluation and verification of claims of recycled material content in products.

Thus reusing and recycling materials contributes to reducing dependence on non-renewable resources and minimising the environmental impact of emissions and waste disposal.

Satinskin Textiles SA is RCS certified.

Certificate number CU1026141



IMPORTANT NOTES:

- The entire supply chain must be RCS certified.
- A Transaction Certificate (TC) is issued to the customer for every kg of recycled fabric/mesh purchased.
- RCS logos on the final article are only allowed if the final client/brand is also RCS certified.
- If the customer is not certified, the customer may be issued the TC of the raw material.

For more information see:

<https://textileexchange.org/standards/recycled-claim-standard-global-recycled-standard/>

SUSTAINABLE FIBRES

Sustainable Linen

14. EUROPEAN FLAX

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EUROPEAN FLAX

Sustainable Linen

IMPORTANT NOTES:

- *The entire supply chain must be European Flax certified.*
- *The customer is presented with the supplier's certificate.*
- *European Flax logos on the final article are only allowed if the end customer/brand is also European Flax certified.*
- *If the customer is not certified, the customer can be presented with the supplier's certificate.*

For more information:

<http://news.europeanflax.com/>



Flax, whose seed is not genetically modified and the life cycle is controlled ensuring a very low environmental impact. European Flax® guarantees that the flax is produced (grown) in Europe: between countries such as France, Belgium, Holland, Germany. Without aggressive chemicals and with full traceability by the companies involved from seed to fibre, it also represents guarantees of no soil and water pollution, as well as respect for the environment: **ZERO IRRIGATION, ZERO GMO** (Genetically Modified Organism Free), **ZERO REFUSE**.

The remaining production processes of the fabric do not need to be carried out in Europe.



When ordering a sustainable article, it is important that the client identifies:

- If you want a certified sustainable article (article with GOTS, OCS, GRS or RCS certification, with the issuing of a certificate of the printed article), when passing the information to confirm the order, the certification reference (GOTS, OCS, GRS or RCS) must be mentioned in the order.

Example: Cedofeita GOTS or Trafaria RCS.

- If you only want a sustainable article (Organic or Recycled: without issuing the certificate of the printed article or issuing the TC of the base), when passing the information to confirm the order, the reference organic or recycled must be mentioned in the order.

Example: Cedofeita OR or Trafaria REC.

To verify the type of article that we have in stock or available in the market, please contact the commercial department.

Oeko-Tex Standard 100 Certification by Oeko-Tex, Annex 4, Class I products

International certification system for raw materials, intermediate and end products of the textile industry at all stages of processing. Our products are free from substances that are harmful to human health, in particular textile articles for babies and children up to the age of 3, and have been approved as class I.



DIGITAL PRINTED woven fabrics in Cotton, Cotton/Elastane and Viscose.

SUBLIMATION PRINTED woven fabrics in Polyester. **DIGITAL PRINTED**

KNITTED fabrics in Cotton, Viscose and blend with Elastane. (Based on starting materials already Standard 100 pre-certified).

Certificate n° 7728CIT



COMMISSION DIGITAL PRINTING (WITH REACTIVE DYES) of knitted and woven fabrics in Cotton, Viscose, Lyocell, Flax, Silk their blends with elastane. **COMMISSION SUBLIMATION PRINTING (WITH DISPERSE DYES)** of woven fabrics in Polyester and Polyester/Elastane. **COMMISSION DIGITAL PRINTING (WITH REACTIVE DYES)** of terry fabrics in 100%CO.

Certificate n° 5532CIT

Identification of certifications in the final product

All certified sustainable articles may be identified in the final product, however, the client/brand must respect the rules defined by each certifying entity.

For more information, please contact us or the certifying entities directly.



Summary of Certifications

All the fibres produced at Satinskin, depending on the composition can be sustainable.
 Example: a cotton-linen blend could be a sustainable base for cotton that could be BCI, organic OCS or GOTS or recycled GRS or RCS.



RAW MATERIAL FABRIC/KNIT	SUPPLIER	SATINSKIN	CUSTOMER
BCI Cotton		Transmission of BCCUs.	BCCUs can only be transmitted if the customer is a BCI member or had registered on the BCI platform.
Organic - GOTS and/or OCS		Issue of the TC of the cotton used in the customer order.	The final product can only be identified as GOTS or OCS if the Final client/brand is GOTS or OCS certified.
Viscose Lenzing Ecovero		Issue of fabric/knit confirmation certificate (FCL) by Lenzing.	Use of EcoVero brand in the final product, if the final client/brand has a Product License (incl. Swing Tickets). (requested at https://brandingservice.lenzing.com).
Liocel Lenzing Tencel		Issue of fabric/knit confirmation certificate (FCL) by Lenzing.	Use of Tencel brand in the final product, if the final client/brand has a Product License (incl. Swing Tickets). (requested at https://brandingservice.lenzing.com).
European Flax		Satinskin can only provide the suppliers certificate.	Satinskin is not certified European Flax, cannot send the certificate.
Recycled Fibres - GRS and/or RCS		Satinskin can only provide the TC of the raw materials used.	The final product can only be identified as GRS or RCS if the Final client/brand is GRS or RCS certified.
OEKO-TEX Standard 100 Annex 4, product class I			

Certified/Member/Registered
 Final Customer
 Not certified



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