

SUSTAINABLE COTTON – OPTIONS & CERTIFICATIONS

NAMES AND LICENSES	HOW IS IT SUSTAINABLE	REFERENCE MATERIAL	LEVEL OF SUSTAINABILITY
MADE BY BCI COTTON (BETTER COTTON INITIATIVE) YARN	RAWCOTTON AS USED IS CULTIVATED IN FARMS COMMITTED TO BETTER WATER/WASTE MANGEMENT , LABOUR REMUNERATIONS &WOMEN EMPOWERMENT	A BRIEF ON THE BCI MANIFESTO	BETTER 
MADE BY CERTIFIED ORAGNIC YARN	RAW COTTON AS USED IS GMO FREE AND CULTIVATED IN FARMS WHICH ARE PESTICIDE AND CHEMICAL FREE WITH CERTIFIED WATER&WASTE MANAGEMENT TECHNIQUES	TRACEABILITY OF ORGANIC YARN AS USED IS TRACKED WITH YOUR PO NO IN ORGANIC CERTIFICATIONS	BETTER 
MADE BY ORGANIC CERTIFIED FABRIC	ADDITIONAL TO THE RAW COTTON BEING CERTIFIED THE YARN SPINNING ,WEAVING ,DYEING & PRINTING IS ALSO CERTIFIED FOR CHEMICAL &HARMFULL CHEMICAL USAGE/WATER USAGE /EMISSIONS AND WASTE MANAGEMENT TECHNIQUES	TRACEABILITY OF ORGANIC YARN AS USED IS TRACKED WITH YOUR PO NO IN ORGANIC CERTIFICATIONS FROM YARN TO WEAVER/KNITTED AND WEAVER /KNITTER TO KYRA	GOOD 
GOTS CERTIFIED END PRODUCT (GLOBAL ORGANIC TEXTILE STANDARD)	ADDITIONAL TO THE FABRIC BEING CERTIFIED ORGANIC THE PRODUCT IS MANUFACTURED (CUT/SEWN/PACKED) IN KYRA'S GOTS LICENSED UNIT WITH PERMISSION TO ADD GOTS LABELS AND TAGS AND TRANSACTION CERTIFICATES FOR TRACEABILITY AD TRANSPARENCY	KYRAS'S LAST YEARS GOTS CERTIFICATION .	BEST 

GOTS helps to ensure compliance with each of the 17 UN goals.

On 25th September 2015, member countries of the United Nations adopted a set of goals to end poverty, protect the planet, and ensure prosperity for all as part of a new sustainable development agenda. Each goal has specific targets to be achieved by 2030.

The concept of Sustainable Development provides a comprehensive definition of development as it links ecological services and quality of life with economic growth. The 17 SDGs provide a common language and measurement framework to achieve sustainable development.

**SUSTAINABLE
DEVELOPMENT
GOALS**



GLOBAL ORGANIC TEXTILE STANDARD
ECOLOGY & SOCIAL RESPONSIBILITY

The Global Organic Textile Standard (GOTS) is the worldwide leading textile processing standard for organic fibres, including ecological and social criteria, backed up by independent certification of the entire textile supply chain.



Organic Fibres



Ecological & Social Standards



Third Party Certification



All Processing Stages



GLOBAL ORGANIC TEXTILE STANDARD
ECOLOGY & SOCIAL RESPONSIBILITY

WHY GOTS?

GOTS certification helps obtain leadership position with regard to the UN Sustainable Development Goals (SDGs)



GOTS COTTON (GLOBAL ORGANIC TEXTILE STANDARD)

The [Global Organic Textile Standard \(GOTS\)](#) has a clearly defined set of criteria and is transparent.

GOTS is the worldwide leading textile processing standard for [organic fibres](#), including [ecological and social criteria](#), backed up by [independent certification](#) of the [entire textile supply chain](#).

GOTS certified final products may include fiber products, yarns, fabrics, clothes, home textiles, mattresses, personal hygiene products, as well as food contact textiles and more.

Having one common standard means textile processors and manufacturers can export their fabrics and garments with one organic certification that is accepted in all major markets. This transparency also gives consumers the power to choose truly organic products sourced from green supply chains.



Organic
Certified by Control Union

BCI COTTON – DIFFERENCE FROM GOTS COTTON



What is BCI certified cotton ?

BCI is a voluntary ,non- profit program that works with farmers worldwide to **make cotton production better for people ,the environment and communities ,where it is grown and ensures a responsible use of cotton**

What is the difference between BCI & ORGANIC COTTON?

Organic cotton uses **92%less water** than conventional cotton and uses no synthetic pesticides or fertilisers . **BCI meanwhile ,tolerates the use of pesticides and genetically modified seeds .**

WHAT MAKES BETTER COTTON (BCI CERTIFIED) :

- Better for smallholders, who can use the knowledge, support to be more sustainable and improve soil health, water management, greenhouse gas emissions and climate resilience.
- Better for large farms, whose investment in sustainability is recognized and rewarded.
- Better for farm workers, who benefit from improved working conditions and a higher standard of living.
- Better for farming communities, where inequalities are confronted and women become more empowered.
- Better for our implementing partners and civil society organizations, who are working to create lasting change on the ground.
- Better for donors because their funding goes to the places where it can have the most impact.
- Better for governments that can draw on our expertise and resources to plot a nationwide path to sustainability.
- Better for companies across the supply chain as they meet customers' demands for sustainable sourcing.
- Better for retailers and brands who know that cotton that's good for people and planet is equally good for business.
- Better for consumers who, from a glance at a logo, know that what they're buying is made by those who share their values.
- **Better Cotton isn't just a commodity, it's a movement.**

FAQS ON SUSTAINABLE VISCOSE

OPTIONS	HOW IS IT SUSTAINABLE	REFERENCE MATERIAL	LEVEL OF SUSTAINABILITY
OPTION 1 LIVA viscose	FSC CERTIFIED RAW MATERIAL 100%SUSTAINABLE FORESTS – LIVA BY BIRLA CELLULOSE	REFER SLIDE “WHAT IS FSC VISCOSE “	BETTER
OPTION 2 LIVA ECO ,FSC+ECOVERA	FSC VISCOSE & YARN MANUFACTURED IN FACTORIES WITH ENVIRONMENTAL MANAGEMNT AND LICENSES IN PLACE. HIGGS CREDENTIALS 41% HIGHER /BIO DEGRADABLE/HOME COMPOSTABLE /LOWER WATER USAGE AND LOWEST IMPACT ON SOIL EROSION AND MARINE LIFE .	REFER SLIDE ON ENVIRONMENTAL BENEFITS OF LIVAECHO/EXCEL & HIGGS CREDENTIAL REPORT /LICENSES AS ATTACHED	BETTER
OPTION 3 LIVA EXCEL ,FSC+ECOVERA	LYOCEL VISCOSE – CLOSED LOOP AND ADVANCED MANUFACTURING OF VISCOSE	PLS REFER TO FACTORY LICENSE OF THE GRASIM PLANT IN VILAYAT/GUJRAT	GOOD

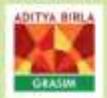
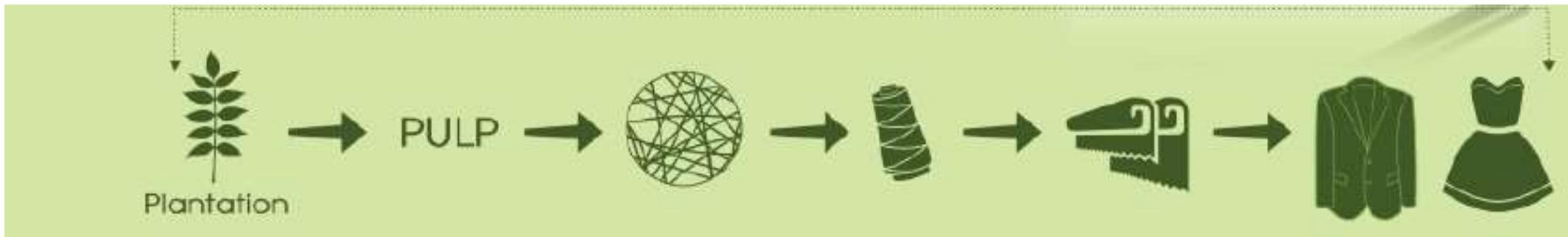
WHATS IS FSC VISCOSE ?

Sustainable sourcing

- *Livaeco™* fibres are made from wood sourced from FSC® certified forests. This implies that the wood is sourced from the forests following the principles of Sustainable Forestry Management.



Environmental Benefits of LIVAEKO /LIVA EXCEL



Low environmental footprint : Making of 1 garment of Livaeco



Low* water consumption

- Saves 900 ltrs of water is-a-vis other natural fibres



Low* greenhouse gas emission

- 300 gram less green house gases emission



Fastest Biodegradability

- Biodegrades completely within 6 weeks



*vis-à-vis other natural fibres

Source Verification & Supply chain transparency

- Unique molecular tracer inside the fibre for source verification at all stages

- Fibre
- Yarn
- Fabric
- Garment



HOW SUSTAINABLE IS HEMP ?

1. How is Hemp is more versatile than cotton?

Every part of the Hemp Plant is usable unlike cotton.

2. Hemp production consumes less energy than cotton – using the same amount of energy ,the yield per acre of cotton is half of what hemp produces .

3. Lesser pesticides in its cultivation -Cotton cultivation demands a high degree of organic herbicides and pesticides as its growth whereas Hemp requires little or no fertilizers .

4. Hemp is carbon neutral or carbon negative – restoring nutrients back to the soil breathing in large amounts of carbon dioxide and giving out fresh oxygen. Extremely long roots of the hemp plant hold the soil and prevent erosion.

5. Hemp can absorb more moisture – Hemp absorbs more moisture in lesser time as compared to cotton with intrinsic antibacterial properties.

6. Hemp requires less water than cotton

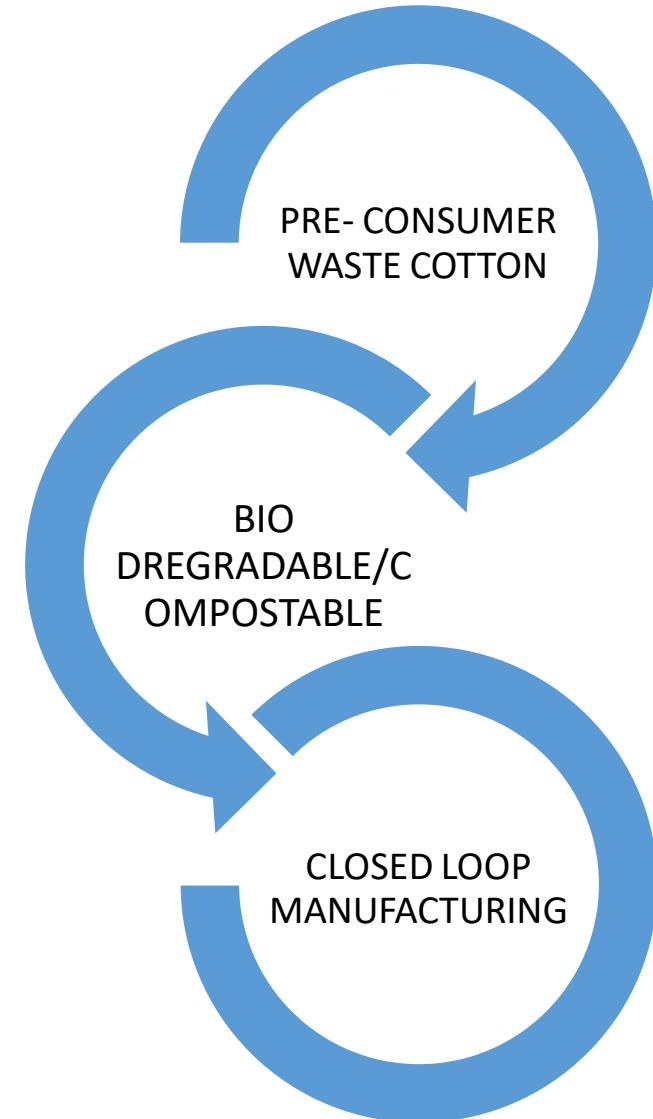
Hemp requires half the amount of water to produce the same amount of cotton, thus impacting the lives of humans and animals less in its production as compared to cotton



RECYCLED FABRICS : OPTIONS IN COTTON :CUPRO BY BEMBERG

Bemberg™ is a regenerated cellulose fiber that uses 100% cotton pre-consumer material obtained from the making of cottonseed oil also called **Cupro**. Environment-friendly & biodegradable and compostable for circularity, manufactured in a closed-loop system enabling recovery and reuse of major chemicals, while achieving zero emissions of waste.

**100% BEMBERG CUPRO OR
BLENDED WITH LIVA ECO
ACHIEVES A FULLY SUSTAINABLE
ALTERNATIVE FOR THE BRAND**



RECYCLED FABRICS – OPTIONS IN POLYESTERS WITH 2 CERTIFIED OPTIONS

RCS STANDARD – OPTION 1

- The Recycled Claim Standard (RCS) is **an international, voluntary standard that sets requirements for third-party**. It is a chain of custody standard to track recycled raw materials through the supply chain. It uses the chain of custody requirements of the Content Claim Standard (CSS).

GRS STANDARD – OPTION 2

- The **GRS CERTIFICATION** is intended to verify the recycled content of products (both finished and intermediate) and to verify responsible social, environmental and chemical practices in their production.
- The objectives of the GRS are to define requirements to ensure accurate content claims and good working conditions, and that harmful environmental and chemical impacts are minimized.
- This includes companies in ginning, spinning, weaving and knitting, dyeing and printing and stitching in more than 50 countries.



SUSTAINABLE COTTON OPTIONS

W2209017 - PO NO :545282 SHIPPED IN 100%COTTON – SUSTAINABLE OPTIONS POSSIBLE



- The SUSTAINABLE options in 100% cotton products are :
- **Option 1** : Certified Organic Yarn used as a raw material for manufacturing the fabric
- **Option 2** : Certified Organic Yarn +Fabric woven in Certified Organic mills
- **Option 3** : GOTS certified product – where the style is manufactured in certified organic manufacturers and converted to garments in GOTS licensed unit of KYRA.
- **Option 4** : BCI (BETTER COTTON INITIATIVE) certified fabric – this certifies that the yarn is BCI complaint (refer to write up on BCI)

SUSTAINABLE COTTON OPTIONS

W2209005 - PO NO :545288/545290 SHIPPED IN 100%WAFFLE KNITTED COTTON –
SUSTAINABLE OPTIONS POSSIBLE



- The SUSTAINABLE options in 100% cotton products are :
- **Option 1** : Certified Organic Yarn used as a raw material for manufacturing the fabric
- **Option 2** : Certified Organic Yarn +Fabric knitted in Certified Organic mills
- **Option 3** : GOTS certified product – where the style is manufactured in certified organic manufacturers and converted to garments in GOTS licensed unit of KYRA.
- **Option 4** : BCI (BETTER COTTON INITIATIVE) certified fabric – this certifies that the yarn is BCI complaint (refer to write up on BCI)

HOW TO MAKE KYRA STYLE W2201076 – PO NO 534088 (52%RAYON /48%COTTON) IN RECYCLED COTTON AND SUSTAINABLE VISCOSE BLEND

Our present quality as running is generic viscose and generic cotton blend – the types of sustainability possible are :

FOR VISCOSE

- **OPTION 1: LIVA viscose** - FSC certified viscose (ie. the raw material from sustainably managed forests)
- **Option 2: LIVA ECO ,FSC+ECOVERA** - FSC certified viscose and yarn and manufactured in factory with HIGGS Credentials 41% higher/bio degradable with lower water usage and licenses for impact on soil erosion and marina life
- **Option 3: LIVA EXCEL**- FSC certified LYOCCEL viscose yarn manufactured in an advanced closed loop process



FOR COTTON

- **OPTION 1: Recycled Bemberg cotton** - Closed loop certified recycled cotton(refer slide on Bemberg cotton)
- **OPTION 2: BCI certified cotton yarn**
- **Option 3 : Certified Organic yarn**



HOW TO MAKE KYRA STYLE W2202175 – PO NO 543105/06/07/08/545286/87 (52%RAYON /48%COTTON) IN RECYCLED COTTON AND SUSTAINABLE VISCOSE BLEND

Our present quality as running is generic viscose and generic cotton blend – the types of sustainability possible are :

FOR VISCOSE

- **OPTION 1: LIVA viscose** - FSC certified viscose (ie. the raw material from sustainably managed forests)
- **Option 2: LIVA ECO ,FSC+ECOVERA** - FSC certified viscose and yarn and manufactured in factory with HIGGS Credentials 41% higher/bio degradable with lower water usage and licenses for impact on soil erosion and marina life
- **Option 3: LIVA EXCEL**- FSC certified LYOCCEL viscose yarn manufactured in an advanced closed loop process



FOR COTTON

- **OPTION 1: Recycled Bemberg cotton** - Closed loop certified recycled cotton (refer slide on Bemberg cotton)
- **OPTION 2: BCI certified cotton yarn**
- **Option 3 : Certified Organic yarn**



SUSTAINABLE OPTIONS TO KYRA SHIPPED STYLE : W2101122 –
MATERIAL : GENERIC 40'S RAYON (PO NO.524818/539599)



OPTION 1 :FSC CERTIFIED RAYON

OPTION 2 : LIVA ECO RAYON

OPTION 3 : LIVA EXCEL VISCOSE (LYOCEL)



SUSTAINABLE OPTIONS TO KYRA SHIPPED STYLE : W2201021 :
GENERIC 30'S VISCOSE CHIFFON (PO NO.529925/529926)



OPTION 1 :FSC CERTIFIED RAYON

OPTION 2 : LIVA ECO RAYON

OPTION 3 : LIVA EXCEL VISCOSE (LYOCEL)



HOW TO MAKE KYRA RUNNING STYLE W2301030 IN 55%LINEN/45%VISCOSE SUSTAINABLE

Our present quality as running is generic VISCOSE and LINEN blend – the types of sustainability possible are :

FOR VISCOSE

- **OPTION 1: LIVA viscose** - FSC certified viscose (ie. the raw material from sustainably managed forests)
- **Option 2: LIVA ECO**,
FSC+ECOVERA - FSC certified viscose and yarn and manufactured in factory with HIGGS Credentials 41% higher/bio degradable with lower water usage and licenses for impact on soil erosion and marina life
- **Option 3: LIVA EXCEL**- FSC certified LYOCEL viscose yarn manufactured in an advanced closed loop process



- **Option 1** : To use Sustainable linen is that of European Flax ® trademark – a mark of premium quality European linen and traceability established by the [European Confederation of Flax and Hemp](#).
- **Option 2** : **to replace Linen with Hemp** – a **100% natural fiber considered 4 times more sustainable than cotton in its cultivation and manufacture**



HOW TO MAKE KYRA RUNNING STYLE W2304028 100%SUSTAINABLE

Our present quality as running is 100% RAMIE COTTON – the types of sustainability possible are :

CONVERT TO 55%HEMP/45%SUSTAINABLE VISCOSE OPTIONS AS BELOW

- **OPTION 1: LIVA viscose** - FSC certified viscose (ie. the raw material from sustainably managed forests)
- **Option 2: LIVA ECO ,FSC+ECOVERA** - FSC certified viscose and yarn and manufactured in factory with HIGGS Credentials 41% higher/bio degradable with lower water usage and licenses for impact on soil erosion and marina life
- **Option 3: LIVA EXCEL- FSC** certified LYOCEL viscose yarn manufactured in an advanced closed loop process



CONVERT TO 55%HEMP OR LINEN /45%SUSTAINABLE VISCOSE BLEND

- **Option 1 : Sustainable linen** that is trademarked European Flax ® – a mark of premium quality European linen and traceability established by the [European Confederation of Flax and Hemp](#).
- **Option 2 : to replace Linen with Hemp** – a 100% natural fiber considered 4 times more sustainable than cotton in its cultivation and manufacture (pls refer to slide on Hemp.)

