Sustainability report of a product

COMPANY

PRODUCT

PRODUCT TYPE EAN / SKU

GTIN

Natua Organic Branding Oy Cruiser hoodie

textile

SUMMARY

Hoodie made from GOTS certified organic cotton and recycled polyester, printed in Finland with water-based ink.



	Material, recycling rate:	100% <i>Data source:</i>	The polyester used in the garments comes from recycled plastic bottles.
	Sustainability facet: circular-economy		
	Lifecycle phase: raw-materials		
material, cotton: Data source: takes into account not only environmen	GOTS defines the criteria for organic production, which		
	material, cotton:	Data source:	takes into account not only environmental criteria, such as banning the use of chemical fertilizers and pesticides,
	Sustainability facet: climate-change, biodiversity, environment, water, human-rights, decent-work Lifecycle phase:		efficient recycling of water, but also dimensions of social responsibility. GOTS requires employers in the entire production chain to comply with the criteria set by the International Labor Organization (ILO). Working hours and wages must be reasonable and working conditions safe. In addition, forced labor, child labor, discrimination and other inhumane treatment are prohibited.
	raw-materials		

COMPANY	PRODUCT	PRODUCT TYPE	GTIN	
Natua Organic Branding Oy	Cruiser hoodie	textile		infine

Certificates/labels, material, recycled polyester: Sustainability facet: climate-change, biodiversity, environment, water, human-rights, decent-work Lifecycle phase: raw-materials	GRS <i>Data source:</i>	The standard applies to the full supply chain and addresses traceability, environmental principles, social requirements, chemical content, and labelling. All the recycled cotton materials, recycled polyester, and recycled nylon we use is GRS certified.
Origin of energy used, production, garments: Sustainability facet: climate-change, environment Lifecycle phase: production	Solar energy <i>Data source:</i>	Some suppliers utilize solar energy in energy production.
Energy efficiency, garment printing: Sustainability facet: climate-change, environment Lifecycle phase: production	Air heat pumps, modern equipment <i>Data source:</i>	The production facilities are heated with air heat pumps. Modern equipment ensures maximum energy efficiency. The production process is optimized in a way that enables efficient equipment use and avoids running equipment unnecessarily.
Environment, production, garment printing: Sustainability facet: environment, water Lifecycle phase: production	Water-based ink <i>Data source:</i>	Garment printing is done with water-based ink.
Environment, production, garment printing: Sustainability facet: environment, water Lifecycle phase: production	Chemical free pressure screen washing <i>Data source:</i>	Automating pressure screen washing requires no use of chemicals and the resulting water is also chemical free.
Animal welfare, garments: Sustainability facet: biodiversity Lifecycle phase: raw-materials, production	No animal derived materials or animal testing <i>Data source:</i>	The garments do not contain any animal fibers, nor are ingredients or formulations tested on animals.

COMPANY	PRODUCT	PRODUCT TYPE	GTIN	
Natua Organic Branding Oy	Cruiser hoodie	textile		infine

Worker wellbeing, production, cotton cultivation, spinning & ginning, garments:

Sustainability facet: human-rights, decent-work

Lifecycle phase: raw-materials, production

Certificates/labels, finished garments:

GOTS Data source:

Own audits &

Data source:

GOTS

Sustainability facet: climate-change, biodiversity, environment, water, human-rights, decent-work

Lifecycle phase: production

The company makes regular visits to cotton farms and production factories. They also have on-site employees to monitor compliance with their social responsibility standards. GOTS requires employers in the entire production chain to comply with the criteria set by the International Labor Organization (ILO). Working hours and wages must be reasonable and working conditions safe. In addition, forced labor, child labor, discrimination and other inhumane treatment are prohibited.

GOTS defines the criteria for organic production, which takes into account not only environmental criteria, such as banning the use of chemical fertilizers and pesticides, efficient recycling of water, but also dimensions of social responsibility. GOTS requires employers in the entire production chain to comply with the criteria set by the International Labor Organization (ILO). Working hours and wages must be reasonable and working conditions safe. In addition, forced labor, child labor, discrimination and other inhumane treatment are prohibited.

<u>Minimum Level of Sustainability</u>

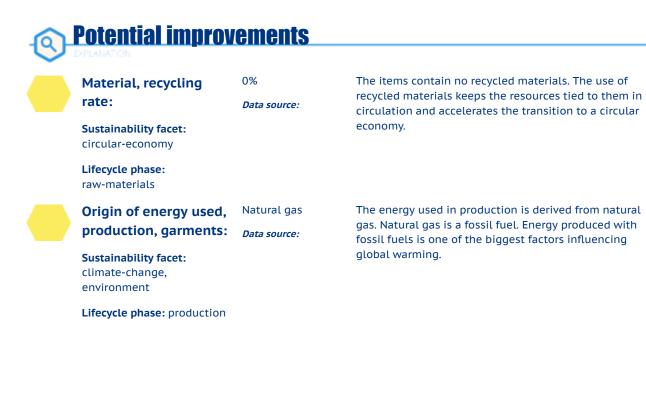
	Manufacturing country, garment printing:	Finland <i>Data source:</i>	The garments are printed	in Finland.
•	Sustainability facet: Lifecycle phase: production Origin of energy used, production, recycled polyester:	Wooden pellets <i>Data source:</i>	The energy used in the pr polyester originates from	
	Sustainability facet: climate-change, environment Lifecycle phase: production			
	Energy efficiency, production, garments: Sustainability facet: climate-change, environment Lifecycle phase: production	EMS, EGBs, modern equipment <i>Data source:</i>	Exhaust Gas Boilers (EGBs some natural gas losses i	hergy consumption per unit.) are also in use to recover
COMPANY	PRODUCT	PR	ODUCT TYPE	GTIN

COMPANYPRODUCTPRODUCT TYPEGTINNatua Organic Branding
OyCruiser hoodietextileinfine

	Water use optimization, production, garments:	Closed water cycle <i>Data source:</i>	Some suppliers use a closed water cycle in production, therefore no wastewater is generated. No data available how much of the whole production utilizes closed water cycles.
	Sustainability facet: environment, water		
	Lifecycle phase: production		
	Water treatment, production, garments:	Plants <i>Data source:</i>	The company's factories have Biological Effluent Treatment Plants that treat the water used in the manufacturing process. In some factories, the treated
	Sustainability facet: environment, water		wastewater is utilized in e.g. car washing, and gardening.
	Lifecycle phase: production		
	Waste and surplus management,	Collecting and utilizing offcuts	Waste fabric is collected to create recycled yarn for the company's accessory range.
	production, garments:	Data source:	
	Sustainability facet: circular-economy		
	Lifecycle phase: production		
Environmental management, production, garm		ISO14001 <i>Data source:</i>	ISO 14001 sets out the criteria for an environmental management system and can be certified to. It maps out a framework that a company or organization can follow to set up an effective environmental management
	Sustainability facet: environment, climate-change		system. Some suppliers utilize this standard, some are in the implementation process.
	Lifecycle phase: production		
	Environmental management, production, garments:	Sustainability team <i>Data source:</i>	A four person sustainability team is in charge of the company's sustainability strategy and short term actions.
	Sustainability facet: environment, climate-change		
	Lifecycle phase: production		
	Waste and surplus management, garment printing:	Optimized ink use & recycling <i>Data source:</i>	The precise amount of printing ink is prepared for each job. All excess ink is collected and recycled.
	Sustainability facet: environment, water, circular-economy		
	Lifecycle phase: production		

COMPANY	PRODUCT	PRODUCT TYPE	GTIN	
Natua Organic Branding Oy	Cruiser hoodie	textile		infine

Certificates/labels, fabric dye: Sustainability facet: environment, water Lifecycle phase: production	GOTS, Standard 100 by Oeko-tex <i>Data source:</i>	Chemical formulators are required to implement product stewardship practices and undergo an on-site audit for environmental management systems, as well as occupational health and safety. Standard 100 by Oeko-tex is used for the assessment of harmful substances in fabrics and confirms that the garments are processed without chemical substances that are harmful to human health and the environment. The standard also prohibits certain potentially harmful substances even where these are not yet legally banned, and it confirms that the products comply with the EU REACH regulation.
Worker wellbeing, production, garments: Sustainability facet: human-rights, decent-work Lifecycle phase: raw-materials, production	Fair Wear Foundation <i>Data source:</i>	Members of the Fair Wear Foundation (FWF) are committed to ensure that employees in clothing production have safe working conditions, decent working hours and wages, employment contracts, etc. The use of child labour is forbidden in production.
Worker wellbeing, production, garment printing: Sustainability facet:	Printing country Finland <i>Data source:</i>	In Finland, labor rights are respected and workers' well-being generally ensured.
human-rights, decent-work Lifecycle phase: production		



COMPANY	PRODUCT	PRODUCT TYPE	GTIN	
Natua Organic Branding Oy	Cruiser hoodie	textile		infine



Origin of energy used, garment printing:

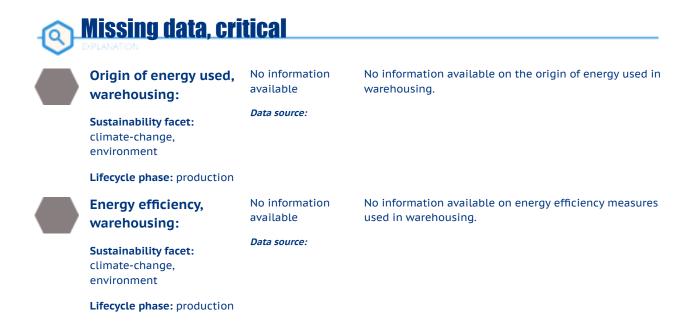
Sustainability facet: climate-change, environment Nuclear power 46,9%, fossil fuels & peat 40,1%, renewable energy 13%. Data source:

Lifecycle phase: production

Due to financial reasons, the company needed to switch from a renewable energy-based electricity contract to a standard one. A switch back to renewable energy-based electricity will be made once it's possible. Energy produced with fossil fuels is one of the biggest factors influencing global warming. Renewable energy sources are a less emission-intensive alternative to fossil energy sources. Utilizing additional renewable energy such as wind- or solar energy is the most sustainable choice. Additional renewable energy is a form of energy that can be added and its usage accelerates the transition to fossil free energy production.

O Sustainability issues and risks

No significant sustainability issues detected from the material available.



COMPANY	PRODUCT	PRODUCT TYPE	GTIN	
Natua Organic Branding Oy	Cruiser hoodie	textile		infine

0	Missing data, no	n critical	
fuel available logi	There is no information available on the fuel used in logistics during different stages of production.		
	Data source Sustainability facet: climate-change Lifecycle phase: logistics	Data source:	Logistics are still very dependent on fossil fuels and cause about 7% of the world's carbon dioxide emissions. Logistics are estimated to grow almost fourfold by 2050, so the transition to low carbon
			fourfold by 2050, so the transition to low-carbon modes of transport is critical in terms of carbon dioxide emissions.
		There is no information available on how logistics are optimized. Logistics can be optimized in several ways,	
	Sustainability facet: climate-change	Data source:	which can significantly reduce carbon dioxide emissions. Such means include vehicle maintenance, driver training, loading, route selection and
	Lifecycle phase: logistics		scheduling. Optimizing logistics can also improve business profitability.



Material:	Cotton <i>Data source:</i>	The items are made of cotton. Cotton cultivation is very water-intensive. Cotton cultivation brings monoculture, which leads to biodiversity loss. In addition, child and forced labor is often used in the cotton production chain. However, it should be noted that replacing virgin cotton fiber is currently difficult, so its use is justified in certain situations. In these cases, however, the use of GOTS and Fair Trade certified cotton is recommended.
Material:	Polyester <i>Data source:</i>	The items are made of a blend of cotton and recycled polyester.
Material, origin, cotton:	India <i>Data source:</i>	The organic cotton originates from India.
Material, origin, recycled polyester:	China <i>Data source:</i>	The recycled polyester used in making the garments originates from China and is made from post-consumer PET bottles.
Manufacturing country, material, cotton ginning:	India <i>Data source:</i>	Cotton ginning is done in India.

COMPANY	PRODUCT	PRODUCT TYPE	GTIN	
Natua Organic Branding Oy	Cruiser hoodie	textile		infine

Manufacturing country, material, cotton spinning:	Bangladesh <i>Data source:</i>	The cotton is spun into yarn in Bangladesh.
Manufacturing country, material, cotton ginning:	India <i>Data source:</i>	Cotton ginning is done in India.
Manufacturing country, material, cotton spinning:	Bangladesh <i>Data source:</i>	The cotton is spun into yarn in Bangladesh.
Manufacturing country, material, recycled polyester:	China <i>Data source:</i>	The recycled polyester is manufactured in China.
Manufacturing country, material, garments:	Bangladesh <i>Data source:</i>	The cotton is made into fabric, dyed, sewn and finished in Bangladesh.
Transportation mode, materials, garments:	Sea freight or road transport <i>Data source:</i>	Materials and finished garments are shipped via sea freight and using road transport.
Transportation mode, printed garments:	Road transport <i>Data source:</i>	Items are sent to customers using road transport.
Certificates/labels, garments:	Standard 100 by Oeko-tex <i>Data source:</i>	Standard 100 by Oeko-tex is used for the assessment of harmful substances in fabrics and confirms that the garments are processed without chemical substances that are harmful to human health and the environment. The standard also prohibits certain potentially harmful substances even where these are not yet legally banned, and it confirms that the

Infine Sustainability Management

We help our clients transform their product data into actionable sustainability

insights through deep tech, automation, and AI. Don't let your business success be

held back by lack of visibility and scalability.

Order more evaluations or become our pilot customer to develop the Infine

Sustainability Management System. <u>https://infine.fi/en/services/</u>



textile

products comply with the EU REACH regulation.