

Environmental product declaration

in accordance with ISO 14025 and EN 15804+A2

Siesta Trio - Høy uten arm



LK HJEIIE

The Norwegian EPD Foundation

Owner of the declaration: Hjelle AS

Product: Siesta Trio - Høy uten arm

Declared unit: 1 pcs

This declaration is based on Product Category Rules: CEN Standard EN 15804:2012+A2:2019 serves as core PCR NPCR 026:2022 Part B for Furniture

Program operator: The Norwegian EPD Foundation

Declaration number: NEPD-9174-8744

Registration number: NEPD-9174-8744

Issue date: 17.02.2025

Valid to: 17.02.2030

EPD software: LCAno EPD generator ID: 804666

General information

Product

Siesta Trio - Høy uten arm

Program operator:

The Norwegian EPD Foundation Post Box 5250 Majorstuen, 0303 Oslo, Norway Phone: +47 977 22 020 web: www.epd-norge.no

Declaration number:

NEPD-9174-8744

This declaration is based on Product Category Rules:

CEN Standard EN 15804:2012+A2:2019 serves as core PCR NPCR 026:2022 Part B for Furniture

Statement of liability:

The owner of the declaration shall be liable for the underlying information and evidence. EPD Norway shall not be liable with respect to manufacturer information, life cycle assessment data and evidences.

Declared unit:

1 pcs Siesta Trio - Høy uten arm

Declared unit (cradle to gate) with option:

A1-A3,A4,A5,B2,B3,B4,C1,C2,C3,C4,D

Functional unit:

General information on verification of EPD from EPD tools:

Independent verification of data, other environmental information and the declaration according to ISO 14025:2010, § 8.1.3 and § 8.1.4. Verification of each EPD is made according to EPD-Norway's guidelines for verification and approval requiring that tools are i) integrated into the company's environmental management system, ii) the procedures for use of the EPD tool are approved by EPD-Norway, and iii) the process is reviewed annually by an independent third party verifier. See Appendix G of EPD-Norway's General Programme Instructions for further information on EPD tools

Verification of EPD tool:

Independent third party verification of the EPD tool, background data and test-EPD in accordance with EPDNorway's procedures and guidelines for verification and approval of EPD tools.

Third party verifier:

Elisabet Amat, GREENIZE projects

(no signature required)

Owner of the declaration:

Hjelle AS Contact person: Jahn Marius Larsen Phone: 92048833 e-mail: jahn@hjelle.no

Manufacturer:

Hjelle AS

Place of production:

Hjelle AS Vikøyra Industriområde 3 6230 Sykkylven, Norway

Management system:

Organisation no:

912684261

Issue date:

17.02.2025

Valid to: 17.02.2030

Year of study:

2024

Comparability:

EPD of construction products may not be comparable if they not comply with EN 15804 and seen in a building context.

Development and verification of EPD:

The declaration is created using EPD tool lca.tools ver EPD2022.03, developed by LCA.no. The EPD tool is integrated in the company's management system, and has been approved by EPD Norway.

Developer of EPD: Jahn Marius Larsen

Reviewer of company-specific input data and EPD: Elisabeth Hurlen

Approved:

Håkon Hauan Managing Director of EPD-Norway

Product

Product description:

To celebrate Siesta's 50th anniversary, we launched SIESTA TRIO. Hence the name: SIESTA TRIO has three separate cushions that all together offer your body a unique comfort and extra support for your lower back. The threefold expression gives the chair a modern attitude and a playful design.

Product specification

Materials	kg	%	Recycled share in material (kg)	Recycled share in material (%)
Polyester textile	0,25	2,76	0,00	0,00
Textile - Wool	1,10	12,15	0,12	11,20
Wood - Solid oak	0,50	5,52	0,00	0,00
Metal - Steel	0,20 2,21		0,04	20,00
Textile - Cotton	0,75	8,29	0,00	0,00
Plastic - Polyurethane (PUR)	1,90	20,99	0,00	0,00
Textile - Polyester	0,50	5,52	0,02	3,50
Wood - Plywood	3,85	42,54	0,00	0,00
Total	9,05	100,00	0,18	

Packaging	kg	%	Recycled share in material (kg)	Recycled share in material (%)
Packaging - Cardboard	0,54	33,72	0,00	0,00
Packaging - Plastic	0,06	3,73	0,00	0,00
Recycled cardboard	1,01	62,56	1,01	100,00
Total incl. packaging	10,66	100,00	1,19	

Technical data:

Width: 62 cm Depth: 85 cm Height: 103 cm

Market:

Worldwide

Reference service life, product

15 years.

Reference service life, building

LCA: Calculation rules

Declared unit:

1 pcs Siesta Trio - Høy uten arm

Cut-off criteria:

All major raw materials and all the essential energy is included. The production processes for raw materials and energy flows with very small amounts (less than 1%) are not included. These cut-off criteria do not apply for hazardous materials and substances.

Allocation:

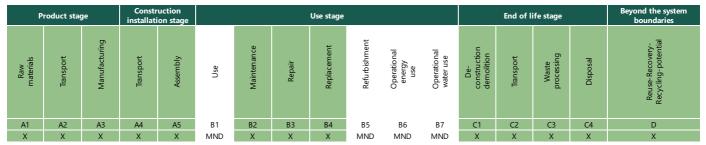
The allocation is made in accordance with the provisions of EN 15804. Incoming energy and water and waste production in-house is allocated equally among all products through mass allocation. Effects of primary production of recycled materials is allocated to the main product in which the material was used. The recycling process and transportation of the material is allocated to this analysis.

Data quality:

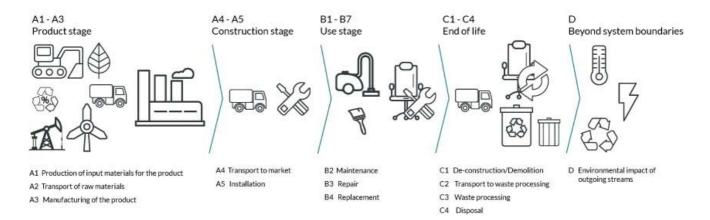
Specific data for the product composition are provided by the manufacturer. They represent the production of the declared product and were collected for EPD development in the year of study. Background data is based on registered EPDs according to EN 15804, Ostfold Research databases, ecoinvent and other LCA databases. The data quality of the raw materials in A1 is presented in the table below.

Materials	Source	Data quality	Year
Metal - Steel	ecoinvent 3.6	Database	2019
Packaging - Cardboard	Modified ecoinvent 3.6	Database	2019
Packaging - Plastic	ecoinvent 3.6	Database	2019
Plastic - Polyurethane (PUR)	ecoinvent 3.6	Database	2019
Polyester textile	ecoinvent 3.6	Database	2019
Recycled cardboard	Modified ecoinvent 3.6	Database	2019
Textile - Cotton	ecoinvent 3.6	Database	2019
Textile - Polyester	ecoinvent 3.6	Database	2019
Textile - Wool	MD-23110-EN_rev1	EPD	2021
Wood - Plywood	ecoinvent 3.6	Database	2019
Wood - Solid oak	modified ecoinvent 3.6	Database	2019

System boundaries (X=included, MND=module not declared, MNR=module not relevant)



System boundary:



Additional technical information:

LCA: Scenarios and additional technical information

The following information describe the scenarios in the different modules of the EPD.

Transportation to an average customer in Oslo is 600km (A4: average European lorry > 32 tonnes)

Transport from production place to user (A4)	Capacity utilisation (incl. return) %	Distance (km)	Fuel/Energy Consumption	Unit	Value (Liter/tonne)
Truck, over 32 tonnes, EURO 6 (km)	53,3 %	600	0,023	l/tkm	13,80
Transport to waste processing (C2)	Capacity utilisation (incl. return) %	Distance (km)	Fuel/Energy Consumption	Unit	Value (Liter/tonne)
Truck, over 32 tonnes, EURO 6 (km)	53,3 %	85	0,023	l/tkm	1,96

LCA: Results

The LCA results are presented below for the declared unit defined on page 2 of the EPD document.

	ental impact							
	Indicator	Unit		A1-A3	A4	A5	B2	B3
(f)	GWP-total	kg CO ₂ -	eq	4,29E+01	5,57E-01	2,66E+00	0	0
P	GWP-fossil	kg CO ₂ -	eq	5,02E+01	5,57E-01	2,98E-02	0	0
P	GWP-biogenic	kg CO ₂ -	eq	-7,93E+00	2,39E-04	2,63E+00	0	0
P	GWP-luluc	kg CO ₂ -	eq	6,15E-01	1,70E-04	8,66E-06	0	0
Ò	ODP	kg CFC11	-eq	1,55E-06	1,34E-07	5,58E-09	0	0
Ê	АР	mol H+ -	eq	2,52E-01	1,79E-03	1,25E-04	0	0
	EP-FreshWater	kg P -e	7	4,92E-03	4,43E-06	2,16E-07	0	0
	EP-Marine	kg N -e	q	1,79E-01	3,93E-04	4,46E-05	0	0
	EP-Terrestial	mol N -	eq	6,95E-01	4,38E-03	4,46E-04	0	0
	РОСР	kg NMVOC	-eq	1,28E-01	1,72E-03	1,29E-04	0	0
67.0	ADP-minerals&metals ¹	kg Sb-e	kg Sb-eq		9,93E-06	6,36E-07	0	0
Ð	ADP-fossil ¹	MJ	MJ		9,05E+00	3,70E-01	0	0
%	WDP ¹	m ³		2,71E+03	6,94E+00	5,14E-01	0	0
	Indicator	Unit	B4	C1	C2	C3	64	2
Ø				CI	C2	5	C4	D
P	GWP-total	kg CO ₂ -eq	0	0	7,90E-02	1,93E+01	C4 1,01E-02	D -7,92E-01
¢P ¢P	GWP-total GWP-fossil							
-		kg CO ₂ -eq	0	0	7,90E-02	1,93E+01	1,01E-02	-7,92E-01
P	GWP-fossil	kg CO ₂ -eq kg CO ₂ -eq	0 0	0	7,90E-02 7,89E-02	1,93E+01 5,19E+00	1,01E-02 1,01E-02	-7,92E-01 -7,66E-01
P	GWP-fossil GWP-biogenic	kg CO ₂ -eq kg CO ₂ -eq kg CO ₂ -eq	0 0 0	0 0 0	7,90E-02 7,89E-02 3,38E-05	1,93E+01 5,19E+00 1,41E+01	1,01E-02 1,01E-02 2,14E-05	-7,92E-01 -7,66E-01 -1,49E-03
P P	GWP-fossil GWP-biogenic GWP-luluc	kg CO ₂ -eq kg CO ₂ -eq kg CO ₂ -eq kg CO ₂ -eq	0 0 0 0	0 0 0 0	7,90E-02 7,89E-02 3,38E-05 2,40E-05	1,93E+01 5,19E+00 1,41E+01 4,11E-05	1,01E-02 1,01E-02 2,14E-05 1,68E-06	-7,92E-01 -7,66E-01 -1,49E-03 -2,44E-02
P P P O	GWP-fossil GWP-biogenic GWP-luluc ODP	kg CO ₂ -eq kg CO ₂ -eq kg CO ₂ -eq kg CO ₂ -eq kg CFC11 -eq	0 0 0 0	0 0 0 0 0	7,90E-02 7,89E-02 3,38E-05 2,40E-05 1,90E-08	1,93E+01 5,19E+00 1,41E+01 4,11E-05 3,19E-08	1,01E-02 1,01E-02 2,14E-05 1,68E-06 1,27E-09	-7,92E-01 -7,66E-01 -1,49E-03 -2,44E-02 -5,15E-02
P P P Ø	GWP-fossil GWP-biogenic GWP-luluc ODP AP	kg CO ₂ -eq kg CO ₂ -eq kg CO ₂ -eq kg CO ₂ -eq kg CFC11 -eq mol H+ -eq	0 0 0 0 0	0 0 0 0 0 0	7,90E-02 7,89E-02 3,38E-05 2,40E-05 1,90E-08 2,54E-04	1,93E+01 5,19E+00 1,41E+01 4,11E-05 3,19E-08 5,45E-03	1,01E-02 1,01E-02 2,14E-05 1,68E-06 1,27E-09 3,88E-05	-7,92E-01 -7,66E-01 -1,49E-03 -2,44E-02 -5,15E-02 -6,11E-03
P P P 0 C	GWP-fossil GWP-biogenic GWP-luluc ODP AP EP-FreshWater	kg CO ₂ -eq kg CO ₂ -eq kg CO ₂ -eq kg CO ₂ -eq kg CFC11 -eq mol H+ -eq kg P -eq	0 0 0 0 0 0 0	0 0 0 0 0 0 0	7,90E-02 7,89E-02 3,38E-05 2,40E-05 1,90E-08 2,54E-04 6,28E-07	1,93E+01 5,19E+00 1,41E+01 4,11E-05 3,19E-08 5,45E-03 2,82E-06	1,01E-02 1,01E-02 2,14E-05 1,68E-06 1,27E-09 3,88E-05 1,33E-07	-7,92E-01 -7,66E-01 -1,49E-03 -2,44E-02 -5,15E-02 -6,11E-03 -6,64E-05
	GWP-fossil GWP-biogenic GWP-luluc ODP AP EP-FreshWater EP-Marine	kg CO ₂ -eq kg CO ₂ -eq kg CO ₂ -eq kg CO ₂ -eq kg CFC11 -eq mol H+ -eq kg P -eq kg N -eq	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	7,90E-02 7,89E-02 3,38E-05 2,40E-05 1,90E-08 2,54E-04 6,28E-07 5,56E-05	1,93E+01 5,19E+00 1,41E+01 4,11E-05 3,19E-08 5,45E-03 2,82E-06 2,98E-03	1,01E-02 1,01E-02 2,14E-05 1,68E-06 1,27E-09 3,88E-05 1,33E-07 1,24E-05	-7,92E-01 -7,66E-01 -1,49E-03 -2,44E-02 -5,15E-02 -6,11E-03 -6,64E-05 -1,96E-03
	GWP-fossil GWP-biogenic GWP-luluc ODP AP EP-FreshWater EP-Marine EP-Terrestial	kg CO ₂ -eq kg CO ₂ -eq kg CO ₂ -eq kg CO ₂ -eq kg CFC11 -eq mol H+ -eq kg P -eq kg N -eq mol N -eq	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	7,90E-02 7,89E-02 3,38E-05 2,40E-05 1,90E-08 2,54E-04 6,28E-07 5,56E-05 6,21E-04	1,93E+01 5,19E+00 1,41E+01 4,11E-05 3,19E-08 5,45E-03 2,82E-06 2,98E-03 2,90E-02	1,01E-02 1,01E-02 2,14E-05 1,68E-06 1,27E-09 3,88E-05 1,33E-07 1,24E-05 1,41E-04	-7,92E-01 -7,66E-01 -1,49E-03 -2,44E-02 -5,15E-02 -6,11E-03 -6,64E-05 -1,96E-03 -2,12E-02
	GWP-fossil GWP-biogenic GWP-luluc ODP AP EP-FreshWater EP-Marine EP-Terrestial POCP	kg CO ₂ -eq kg CO ₂ -eq kg CO ₂ -eq kg CO ₂ -eq kg CFC11 -eq mol H+ -eq kg P -eq kg N -eq mol N -eq kg NMVOC -eq	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0	7,90E-02 7,89E-02 3,38E-05 2,40E-05 1,90E-08 2,54E-04 6,28E-07 5,56E-05 6,21E-04 2,44E-04	1,93E+01 5,19E+00 1,41E+01 4,11E-05 3,19E-08 5,45E-03 2,82E-06 2,98E-03 2,90E-02 6,90E-03	1,01E-02 1,01E-02 2,14E-05 1,68E-06 1,27E-09 3,88E-05 1,33E-07 1,24E-05 1,41E-04 3,91E-05	-7,92E-01 -7,66E-01 -1,49E-03 -2,44E-02 -5,15E-02 -6,11E-03 -6,64E-05 -1,96E-03 -2,12E-02 -5,97E-03

GWP-total = Global Warming Potential total; GWP-fossil = Global Warming Potential fossil fuels; GWP-biogenic = Global Warming Potential biogenic; GWP-luluc = Global Warming Potential land use and land use change; ODP = Depletion potential of the stratospheric ozone layer; AP = Acidification potential, Accumulated Exceedance; EP-freshwater = Eutrophication potential, fraction of nutrients reaching freshwater end compartment: EP-marine = Eutrophication potential, fraction of nutrients reaching marine end compartment; EP-terrestrial = Eutrophication potential, Accumulated Exceedance; POCP = Formation potential of tropospheric ozone; ADP-minerals&metals = Abiotic depletion potential for non-fossil resources; ADP-fossil = Abiotic depletion for fossil resources potential; WDP = Water (user) deprivation potential, deprivation-weighted water consumption

"Reading example: 9,0 E-03 = 9,0*10-3 = 0,009" *INA Indicator Not Assessed

1. The results of this environmental impact indicator shall be used with care as the uncertainties on these results are high or as there is limited experienced with the indicator

Remarks to environmental impacts

dditional er	nvironmental impa	ct indicators						
	Indicator	Unit		A1-A3	A4	A5	B2	B3
	PM	Disease incidence		3,48E-06	5,12E-08	1,86E-09	0	0
	IRP ²	kgBq U235 -eq		1,57E+00	3,95E-02	1,59E-03	0	0
	ETP-fw ¹	CTUe		1,42E+03	6,62E+00	4,87E-01	0	0
44.* *****	HTP-c ¹	CTUh		6,04E-08	0,00E+00	1,40E-11	0	0
48 B	HTP-nc ¹	CTUh	CTUh		6,40E-09	6,06E-10	0	0
è	SQP ¹	dimensionless	dimensionless		1,04E+01	2,70E-01	0	0
h	ndicator	Unit	B4	C1	C2	C3	C4	D
	PM	Disease incidence	0	0	7,25E-09	2,50E-08	5,22E-10	-3,58E-07
	IRP ²	kgBq U235 -eq	0	0	5,60E-03	4,30E-03	4,80E-04	-6,43E-02
	ETP-fw ¹	CTUe	0	0	9,37E-01	1,44E+01	1,65E-01	-5,83E+0
*** ***	HTP-c ¹	CTUh	0	0	0,00E+00	5,67E-10	9,00E-12	-1,29E-09
₩ 200	HTP-nc ¹	CTUh	0	0	9,06E-10	2,57E-08	2,92E-10	-4,64E-08
	SQP ¹	dimensionless	0	0	1,47E+00	3,13E-01	2,89E-01	-6,76E+0

PM = Particulate Matter emissions; IRP = Ionizing radiation – human health; ETP-fw = Eco toxicity – freshwater; HTP-c = Human toxicity – cancer effects; HTP-nc = Human toxicity – non cancer effects; SQP = Soil Quality (dimensionless)

"Reading example: 9,0 E-03 = 9,0*10-3 = 0,009" *INA Indicator Not Assessed

1. The results of this environmental impact indicator shall be used with care as the uncertainties on these results are high or as there is limited experienced with the indicator

2. This impact category deals mainly with the eventual impact of low dose ionizing radiation on human health of the nuclear fuel cycle. It does not consider effects due to possible nuclear accidents, occupational exposure nor due to radioactive waste disposal in underground facilities. Potential ionizing radiation from the soil, from radon and from some construction materials is also not measured by this indicator.

Resource use								
	Indicator		Unit	A1-A3	A4	A5	B2	B3
i de la companya de l	PERE		MJ	4,21E+02	1,14E-01	6,27E-03	0	0
B	PERM		MJ	1,29E+02	0,00E+00	-1,45E+01	0	0
°≓j	PERT		MJ	5,50E+02	1,14E-01	-1,45E+01	0	0
A	PENRE		MJ	6,71E+02	9,05E+00	3,71E-01	0	0
ů.	PENRM		MJ	8,12E+01	0,00E+00	-2,49E+00	0	0
IA	PENRT		MJ	7,52E+02	9,05E+00	-2,12E+00	0	0
	SM		kg	1,19E+00	0,00E+00	0,00E+00	0	0
1	RSF		MJ	5,95E-01	3,98E-03	2,05E-04	0	0
j.	NRSF		MJ	2,90E-01	1,33E-02	8,24E-04	0	0
\$	FW		2		1 025 02	1,76E-04	0	0
			m ³	5,69E+00	1,03E-03	1,76E-04	0	0
In	dicator	Unit	m ³ B4	5,69E+00	C2	C3	C4	D
		Unit MJ						
In	dicator		B4	C1	C2	C3	C4	D
ា ្ត្ដ ្រូ	dicator PERE	MJ	B4 0	C1 0	C2 1,61E-02	C3 7,63E-02	C4 5,24E-03	D -6,24E+01
ात ्र ्रि	dicator PERE PERM	MJ	B4 0 0	C1 0 0	C2 1,61E-02 0,00E+00	C3 7,63E-02 -1,15E+02	C4 5,24E-03 0,00E+00	D -6,24E+01 0,00E+00
	dicator PERE PERM PERT	M) IM	B4 0 0 0	C1 0 0 0	C2 1,61E-02 0,00E+00 1,61E-02	C3 7,63E-02 -1,15E+02 -1,14E+02	C4 5,24E-03 0,00E+00 5,24E-03	D -6,24E+01 0,00E+00 -6,24E+01
In E	dicator PERE PERM PERT PENRE	MJ MJ	B4 0 0 0 0 0	C1 0 0 0 0	C2 1,61E-02 0,00E+00 1,61E-02 1,28E+00	C3 7,63E-02 -1,15E+02 -1,14E+02 2,73E+00	C4 5,24E-03 0,00E+00 5,24E-03 1,05E-01	D -6,24E+01 0,00E+00 -6,24E+01 -1,06E+01
In S S S S S S S S S S S S S S S S S S S	dicator PERE PERM PERT PENRE PENRM	۲M ۲M ۲M ۲M	B4 0 0 0 0 0 0 0 0 0 0	C1 0 0 0 0 0	C2 1,61E-02 0,00E+00 1,61E-02 1,28E+00 0,00E+00	C3 7,63E-02 -1,15E+02 -1,14E+02 2,73E+00 -7,87E+01	C4 5,24E-03 0,00E+00 5,24E-03 1,05E-01 0,00E+00	D -6,24E+01 0,00E+00 -6,24E+01 -1,06E+01 0,00E+00
In S S S S S S S S S S S S S	dicator PERE PERM PERT PENRE PENRM PENRT PENRT	KM MJ MJ MJ	B4 0 0 0 0 0 0 0 0 0 0 0 0 0	C1 0 0 0 0 0 0 0	C2 1,61E-02 0,00E+00 1,61E-02 1,28E+00 0,00E+00 1,28E+00	C3 7,63E-02 -1,15E+02 -1,14E+02 2,73E+00 -7,87E+01 -7,60E+01	C4 5,24E-03 0,00E+00 5,24E-03 1,05E-01 0,00E+00 1,05E-01	D -6,24E+01 0,00E+00 -6,24E+01 -1,06E+01 0,00E+00 -1,06E+01
	dicator PERE PERM PERT PENRE PENRM PENRT SM	MJ MJ MJ MJ MJ Kg	 B4 O O	C1 0 0 0 0 0 0 0 0	C2 1,61E-02 0,00E+00 1,61E-02 1,28E+00 0,00E+00 1,28E+00 0,00E+00	C3 7,63E-02 -1,15E+02 -1,14E+02 2,73E+00 -7,87E+01 -7,60E+01 0,00E+00	C4 5,24E-03 0,00E+00 5,24E-03 1,05E-01 0,00E+00 1,05E-01	D -6,24E+01 0,00E+00 -6,24E+01 -1,06E+01 0,00E+00 -1,06E+01 0,00E+00

PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non renewable primary energy excluding non-renewable primary energy resources; SENRE = Use of non renewable primary energy resources; SENRE = Use of non renewable primary energy resources; SENRE = Use of non renewable primary energy resources; SM = Use of secondary materials; RSF = Use of renewable primary energy resources; SM = Use of secondary materials; RSF = Use of renewable secondary fuels; NRSF = Use of non-renewable secondary fuels; FW = Net use of fresh water

"Reading example: 9,0 E-03 = 9,0*10-3 = 0,009" *INA Indicator Not Assessed

End of life - Waste									
	Indicator		U	nit	A1-A3	A4	A5	B2	B3
Â	HWD		k	g	7,27E-01	4,95E-04	0,00E+00	0	0
Ū	NHWD		k	g	4,57E+00	7,87E-01	1,61E+00	0	0
æ	RWD		k	g	5,80E-03	6,18E-05	0,00E+00	0	0
In	dicator		Unit	B4	C1	C2	C3	C4	D
à	HWD		kg	0	0	7,01E-05	0,00E+00	2,27E-01	-7,85E-04
Ū	NHWD		kg	0	0	1,11E-01	0,00E+00	7,27E-02	-2,63E-01
8	RWD		kg	0	0	8,75E-06	0,00E+00	6,09E-07	-5,27E-05

HWD = Hazardous waste disposed; NHWD = Non-hazardous waste disposed; RWD = Radioactive waste disposed

"Reading example: 9,0 E-03 = 9,0*10-3 = 0,009" *INA Indicator Not Assessed

End of life - Output flow										
Indie	cator	U	nit	A1-A3	A4	A5	B2	B3		
$\langle \phi \rangle$	CRU	k	g	0,00E+00	0,00E+00	0,00E+00	0	0		
\$\$	MFR	k	g	7,67E-01	0,00E+00	1,47E+00	0	0		
DF3	MER	k	g	2,94E+00	0,00E+00	5,11E-06	0	0		
۶D	EEE	Ν	МЈ		0,00E+00	8,87E-02	0	0		
DI	EET	Ν	1J	2,71E+01	0,00E+00	1,34E+00	0	0		
Indicator	r	Unit	B4	C1	C2	C3	C4	D		
$\otimes \triangleright$	CRU	kg	0	0	0,00E+00	0,00E+00	0,00E+00	0,00E+00		
\$}D	MFR	kg	0	0	0,00E+00	3,39E-01	0,00E+00	0,00E+00		
DF	MER	kg	0	0	0,00E+00	9,05E+00	0,00E+00	0,00E+00		
50	EEE	MJ	0	0	0,00E+00	7,51E+00	0,00E+00	0,00E+00		
D	EET	MJ	0	0	0,00E+00	1,14E+02	0,00E+00	0,00E+00		

CRU = Components for re-use; MFR = Materials for recycling; MER = Materials for energy recovery; EEE = Exported energy electrical; EET = Exported energy thermal

"Reading example: 9,0 E-03 = 9,0*10-3 = 0,009" *INA Indicator Not Assessed

Biogenic Carbon Content

Indicator	Unit	At the factory gate					
Biogenic carbon content in product	kg C	2,80E+00					
Biogenic carbon content in accompanying packaging	kg C	7,18E-01					

Note: 1 kg biogenic carbon is equivalent to 44/12 kg CO2

Additional requirements

Greenhouse gas emissions from the use of electricity in the manufacturing phase

National production mix from import, low voltage (production of transmission lines, in addition to direct emissions and losses in grid) of applied electricity for the manufacturing process (A3).

Electricity mix	Source	Amount	Unit
Electricity, Norway (kWh)	ecoinvent 3.6	24,33	g CO2-eq/kWh

Dangerous substances

The product contains no substances given by the REACH Candidate list.

Indoor environment

Our furniture does not contain any substrates that affect indoor climate.

Additional Environmental Information

Key Environmental Indicators

Key environmental indicators	Unit	A1-A3	A4	A1-C4	A1-D
GWPtotal	kg CO ₂ -eq	42,91	0,56	65,48	64,69
Total energy consumption	MJ	1093,02	9,18	1106,83	1030, 16
Amount of recycled materials	%	11,12			

Additional environmental impact indicators required in NPCR Part A for construction products								
Indicator	Unit		A1-A3	A4	A5	B2	B3	
GWPIOBC	kg CO ₂ -eq		5,15E+01	5,57E-01	2,98E-02	0	0	
Indicator	Unit	B4	C1	C2	C3	C4	D	
GWPIOBC	kg CO ₂ -eq	0	0	7,90E-02	9,44E+00	1,82E-02	-8,11E-01	

GWP-IOBC: Global warming potential calculated according to the principle of instantaneous oxidation. In order to increase the transparency of biogenic carbon contribution to climate impact, the indicator GWP-IOBC is required as it declares climate impacts calculated according to the principle of instantaneous oxidation. GWP-IOBC is also referred to as GWP-GHG in context to Swedish public procurement legislation.

Variants and Options

Key environmental indicators (A1-A3) for variants of this EPD						
Variants	Weight (kg)	GWPtotal (kg CO ₂ -eq)	Total energy consumption (MJ)	Amount of recycled materials (%)		
Siesta Trio - Høy med arm	11,42	48,45	1157,78	10,40		
Siesta Trio - Lav uten arm	9,88	33,81	934,52	11,71		
Siesta Trio - Lav med arm	10,52	39,62	985,92	10,99		
Siesta Trio - Krakk	6,05	15,35	515,17	10,65		

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