



# Environmental product declaration

in accordance with ISO 14025 and EN 15804+A2

# Feather table



# **EDSBYN**

Owner of the declaration:

AB Edsbyverken

Product:

Feather table

**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-11074-11014

**Registration number:** NEPD-11074-11014

Issue date:

19.05.2025

Valid to:

19.05.2030

**EPD** software:

LCAno EPD generator ID: 937281

The Norwegian EPD Foundation



# **General information**

## **Product**

Feather table

## **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-11074-11014

## 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 Feather table

# Declared unit (cradle to gate) with option:

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

#### Functional unit:

Tabletop with stands - Feather table (Rectangular) 43T12070 - 1200x700 mm - height 730 mm - Veneer.

# 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:

AB Edsbyverken

Contact person: Maria Olsson

Phone

e-mail: maria.olsson@edsbyn.com

## Manufacturer:

AB Edsbyverken

#### Place of production:

AB Edsbyverken Karlsvägen 2 828 32 Edsbyn, Sweden

# Management system:

ISO 14001, ISO 9001

#### **Organisation no:**

556040-0755

#### Issue date:

19.05.2025

#### Valid to:

19.05.2030

# 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: Jonathan Liverstad

Reviewer of company-specific input data and EPD: Jon Kvarmans

## Approved:

Håkon Hauan, CEO EPD-Norge

# **Product**

## **Product description:**

Silent design with comfort and character. Feather is a furniture family with versatility, adaptable to different environments, offices, conference, restaurant, school and at home.

Chairs and tables with uniform expression – simple, clean, functional. The variation in colour, shape and materials give you the possibility to select a beautiful, harmonious interior with a personal touch.

Feather Table is part of a table series consisting of desks, meeting tables, café tables, lounge tables and coffee tables, available in various shapes and sizes. This series is offered in an extensive selection of laminates, HPL, veneer and desktop linoleum finishes. Additionally, select tabletops are available in marble or solid wood.

The table stands are offered in heights ranging from 730 mm to 1060 mm (including tabletop), depending on the size of the selected tabletop.

More information about Feather Table can be found here: https://www.edsbyn.com/products/feather/table/

#### **Product specification**

Feather table (Rectangular) 43T12070 - 1200x700 mm, height 730 mm.

Tabletop: Constructed from 16 mm MDF

Corner radius: 25 mm Surface material: Veneer

Edge profile: Straight edge with ABS edge strips matching the surface material

Support frame: Powdercoated steel

Stands: Two T-stands in powdercoated steel

Key environmental indicators of a selection of other shapes and sizes of Feather table are presented as variants on page 11. (All variants includes packaging).

Materials	kg	%	Recycled share in material (kg)	Recycled share in material (%)
Glue for wood	0,19	0,75	0,00	0,00
Kraft paper - Unbleached	0,091	0,34	0,00079	0,87
Metal - Stainless steel	0,10	0,39	0,39 0,022	
Metal - Steel	15,72	59,41	0,00	0,00
Plastic - Acrylonitrile butadiene styrene (ABS)	0,067	0,25	0,00	0,00
Wood - Medium Density Fibreboard (MDF)	9,88	37,34	0,00	0,00
Wood - Solid oak	0,39	1,49	0,00	0,00
Total	26,47	100,00	0,02	

Packaging	kg	%	Recycled share in material (kg)	Recycled share in material (%)
Packaging - Cardboard	1,16	45,73	0,42	36,00
Recycled cardboard	1,37	54,27	1,37	100,00
Total incl. packaging	29,00	100,00	1,81	

# Technical data:

Möbelfakta certified product.

# Market:

Europe.

# Reference service life, product

5 year warranty. Depending on chosen surface material and maintenance of the product the RSL varies from 5 to 10+ years.

## Reference service life, building

# LCA: Calculation rules



#### **Declared unit:**

1 pcs Feather table

## **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:

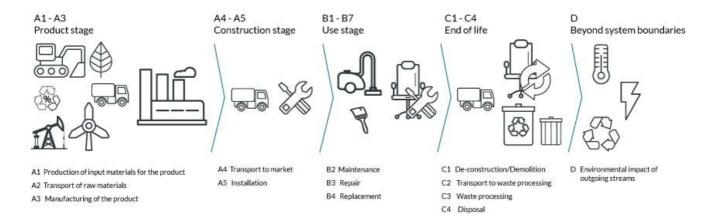
Specific data for the product composition are provided by the manufacturer. They represent the production of the declared product and were collected for EPD development in the year of study. Background data is based on registered EPDs according to EN 15804, Ostfold Research databases, ecoinvent and other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

Materials	Source	Data quality	Year
Glue for wood	ecoinvent 3.6	Database	2019
Kraft paper - Unbleached	ecoinvent 3.6	Database	2019
Metal - Stainless steel	ecoinvent 3.6	Database	2019
Metal - Steel	ecoinvent 3.6	Database	2019
Packaging - Cardboard	ecoinvent 3.6	Database	2019
Plastic - Acrylonitrile butadiene styrene (ABS)	ecoinvent 3.6	Database	2019
Recycled cardboard	Modified ecoinvent 3.6	Database	2019
Wood - Medium Density Fibreboard (MDF)	EPD-NIBE-20210326-18330	EPD	2019
Wood - Solid oak	modified ecoinvent 3.6	Database	2019

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

Product stage			Construction installation stage			Use stage				End of I	ife stage		Beyond the system boundaries			
Raw materials	Transport	Manufacturing	Transport	Assembly	Use	Maintenance	Repair	Replacement	Refurb ishment	Operational energy use	Operational water use	De- construction demolition	Transport	Waste processing	Disposal	Reuse-Recovery- Recycling-potential
A1	A2	A3	A4	A5	B1	B2	В3	B4	B5	В6	В7	C1	C2	C3	C4	D
Χ	Χ	Χ	Χ	X	MND	X	Χ	Χ	MND	MND	MND	X	Χ	Χ	X	X

# **System boundary:**



# Additional technical information:

Edsbyn Care & Maintenance:

https://www.edsbyn.com/wp-content/uploads/2024/08/careedsbyn2024v240706.pdf



# LCA: Scenarios and additional technical information

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

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 %	500	0,023	l/tkm	11,50
Assembly (A5)	Unit	Value			
Waste, packaging, cardboard, 100 % recycled, to average treatment (kg)	kg	1,37			
Waste, packaging, corrugated board box, to average treatment (kg)	kg	1,15			
Maintenance (B2)	Unit	Value			
Water, tap water (m3)	m3	0,78			
Transport to waste processing (C2)	Capacity utilisation (incl. return) %	Distance (km)	Fuel/Energy Consumption	Unit	Value (Liter/tonne)
Truck, 16-32 tonnes, EURO 6 (km)	36,7 %	50	0,043	l/tkm	2,15
Waste processing (C3)	Unit	Value			
Waste treatment per kg Wood, incineration with fly ash extraction (kg)	kg	10,28			
Waste treatment per kg Plastics, Mixture, municipal incineration with fly ash extraction (kg)	kg	0,067			
Waste treatment per kg Hazardous waste, incineration (kg)	kg	0,19			
Waste treatment per kg Paperboard, incineration with fly ash extraction - C3 (kg)	kg	0,091			
Waste, materials to recycling (kg)	kg	5,37			
Waste treatment per kg Scrap steel, incineration with fly ash extraction (kg)	kg	15,83			
Disposal (C4)	Unit	Value			
Landfilling of ashes from incineration of Wood, process per kg ashes and residues (kg)	kg	0,11			
Landfilling of ashes from incineration of Plastics, Mixture, municipal incineration with fly ash extraction, process per kg ashes and residues - C4 (kg)	kg	0,0023			
Landfilling of ashes from incineration of Hazardous waste, from incineration (kg)	kg	0,037			
Landfilling of ashes from incineration of Paperboard, process per kg ashes and residues - C4 (kg)	kg	0,0016			
Landfilling of ashes and residues from incineration of Scrap steel (kg)	kg	10,46			
Benefits and loads beyond the system boundaries (D)	Unit	Value			
Substitution of thermal energy, district heating, in Norway (MJ)	МЈ	110,87			
Substitution of electricity, in Norway (MJ)	MJ	7,32			
Substitution of primary steel with net scrap (kg)	kg	5,36			



**LCA: Results** 

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

Environme	ntal impact								
	Indicator		Unit		A1-A3	A4	A5	B2	В3
	GWP-total		kg CO <sub>2</sub> -	eq	3,14E+01	1,26E+00	4,34E+00	2,69E-01	0
	GWP-fossil		kg CO <sub>2</sub> -eq		5,31E+01	1,26E+00	4,09E-02	2,67E-01	0
	GWP-biogenic	GWP-biogenic		kg CO <sub>2</sub> -eq		5,41E-04	4,29E+00	1,68E-03	0
	GWP-luluc		kg CO <sub>2</sub> -	eq	1,82E-01	3,85E-04	1,35E-05	4,35E-04	0
٨	ODP		kg CFC11	-eq	4,94E-06	3,05E-07	8,64E-09	2,37E-08	0
Œ.	AP		mol H+ -	eq	2,71E-01	4,07E-03	1,94E-04	1,56E-03	0
<del></del>	EP-FreshWater		kg P -ed	7	3,03E-03	1,00E-05	3,36E-07	2,14E-05	0
<del></del>	EP-Marine		kg N -ed	q	5,23E-02	8,90E-04	6,41E-05	2,48E-04	0
<del></del>	EP-Terrestial		mol N -e	eq	6,07E-01	9,93E-03	6,94E-04	2,88E-03	0
	POCP		kg NMVOC	:-eq	2,34E-01	3,90E-03	1,99E-04	9,05E-04	0
	ADP-minerals&metals <sup>1</sup>		kg Sb-e	q	9,76E-04	2,25E-05	9,96E-07	7,48E-06	0
	ADP-fossil <sup>1</sup>		MJ		8,40E+02	2,05E+01	5,73E-01	4,57E+00	0
<u></u>	WDP <sup>1</sup>		m <sup>3</sup>		2 225 : 04	1,57E+01	7,26E-01	8,18E+01	0
(%)	WDP		m³		2,32E+04	1,376+01	7,20E-UT	0, 10E+01	U
(%)	Indicator		Unit	B4	2,32E+04	C2	C3	6, 16E+01	D
				B4 0					
	Indicator		Unit		C1	C2	C3	C4	D
	<b>Indicator</b> GWP-total		<b>Unit</b> kg CO <sub>2</sub> -eq	0	C1 0	C2 2,37E-01	C3 1,67E+01	C4 1,34E-01	D -6,57E+00
	Indicator  GWP-total  GWP-fossil		Unit kg CO <sub>2</sub> -eq kg CO <sub>2</sub> -eq	0	C1 0	C2 2,37E-01 2,37E-01	C3 1,67E+01 8,03E-01	C4 1,34E-01 1,34E-01	D -6,57E+00 -6,54E+00
<b>P</b>	Indicator  GWP-total  GWP-fossil  GWP-biogenic		Unit kg CO <sub>2</sub> -eq kg CO <sub>2</sub> -eq kg CO <sub>2</sub> -eq	0 0	C1 0 0	C2 2,37E-01 2,37E-01 9,80E-05	C3 1,67E+01 8,03E-01 1,59E+01	C4 1,34E-01 1,34E-01 9,46E-05	D -6,57E+00 -6,54E+00 -4,58E-03
<b>P P P P P P P P P P</b>	Indicator  GWP-total  GWP-fossil  GWP-biogenic  GWP-luluc		Unit  kg CO <sub>2</sub> -eq  kg CO <sub>2</sub> -eq  kg CO <sub>2</sub> -eq  kg CO <sub>2</sub> -eq	0 0 0 0	0 0 0 0	C2 2,37E-01 2,37E-01 9,80E-05 8,43E-05	C3 1,67E+01 8,03E-01 1,59E+01 1,53E-04	C4 1,34E-01 1,34E-01 9,46E-05 3,71E-05	D -6,57E+00 -6,54E+00 -4,58E-03 -2,48E-02
	Indicator  GWP-total  GWP-fossil  GWP-biogenic  GWP-luluc  ODP		Unit  kg CO <sub>2</sub> -eq  kg CO <sub>2</sub> -eq  kg CO <sub>2</sub> -eq  kg CO <sub>2</sub> -eq	0 0 0 0	0 0 0 0 0	C2 2,37E-01 2,37E-01 9,80E-05 8,43E-05 5,37E-08	C3 1,67E+01 8,03E-01 1,59E+01 1,53E-04 6,87E-08	C4 1,34E-01 1,34E-01 9,46E-05 3,71E-05 3,72E-08	D -6,57E+00 -6,54E+00 -4,58E-03 -2,48E-02 -4,68E-02
	Indicator  GWP-total  GWP-fossil  GWP-biogenic  GWP-luluc  ODP  AP		Unit  kg CO <sub>2</sub> -eq  mol H+ -eq	0 0 0 0 0	0 0 0 0 0 0	C2 2,37E-01 2,37E-01 9,80E-05 8,43E-05 5,37E-08 6,81E-04	C3 1,67E+01 8,03E-01 1,59E+01 1,53E-04 6,87E-08 2,86E-03	C4 1,34E-01 1,34E-01 9,46E-05 3,71E-05 3,72E-08 8,64E-04	D -6,57E+00 -6,54E+00 -4,58E-03 -2,48E-02 -4,68E-02 -3,46E-02
	Indicator  GWP-total  GWP-fossil  GWP-biogenic  GWP-luluc  ODP  AP  EP-FreshWater		witk  kg CO <sub>2</sub> -eq  kg CO <sub>2</sub> -eq  kg CO <sub>2</sub> -eq  kg CO <sub>2</sub> -eq  kg CFC11 -eq  mol H+ -eq  kg P -eq	0 0 0 0 0 0	0 0 0 0 0 0	C2 2,37E-01 2,37E-01 9,80E-05 8,43E-05 5,37E-08 6,81E-04 1,89E-06	C3 1,67E+01 8,03E-01 1,59E+01 1,53E-04 6,87E-08 2,86E-03 1,52E-05	C4 1,34E-01 1,34E-01 9,46E-05 3,71E-05 3,72E-08 8,64E-04 1,33E-06	D -6,57E+00 -6,54E+00 -4,58E-03 -2,48E-02 -4,68E-02 -3,46E-02 -4,20E-04
	Indicator  GWP-total  GWP-fossil  GWP-biogenic  GWP-luluc  ODP  AP  EP-FreshWater  EP-Marine		kg CO <sub>2</sub> -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	C2 2,37E-01 2,37E-01 9,80E-05 8,43E-05 5,37E-08 6,81E-04 1,89E-06 1,35E-04	C3 1,67E+01 8,03E-01 1,59E+01 1,53E-04 6,87E-08 2,86E-03 1,52E-05 1,14E-03	C4 1,34E-01 1,34E-01 9,46E-05 3,71E-05 3,72E-08 8,64E-04 1,33E-06 3,05E-04	D -6,57E+00 -6,54E+00 -4,58E-03 -2,48E-02 -4,68E-02 -3,46E-02 -4,20E-04 -7,80E-03
	Indicator  GWP-total  GWP-fossil  GWP-biogenic  GWP-luluc  ODP  AP  EP-FreshWater  EP-Marine  EP-Terrestial		kg CO <sub>2</sub> -eq kg CO <sub>2</sub> -eq kg CO <sub>2</sub> -eq kg CO <sub>2</sub> -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	C2 2,37E-01 2,37E-01 9,80E-05 8,43E-05 5,37E-08 6,81E-04 1,89E-06 1,35E-04 1,51E-03	C3 1,67E+01 8,03E-01 1,59E+01 1,53E-04 6,87E-08 2,86E-03 1,52E-05 1,14E-03 1,22E-02	C4 1,34E-01 1,34E-01 9,46E-05 3,71E-05 3,72E-08 8,64E-04 1,33E-06 3,05E-04 3,39E-03	D -6,57E+00 -6,54E+00 -4,58E-03 -2,48E-02 -4,68E-02 -3,46E-02 -4,20E-04 -7,80E-03 -8,08E-02
	Indicator  GWP-total  GWP-fossil  GWP-biogenic  GWP-luluc  ODP  AP  EP-FreshWater  EP-Marine  EP-Terrestial  POCP		kg CO <sub>2</sub> -eq kg CO <sub>2</sub> -eq kg CO <sub>2</sub> -eq kg CO <sub>2</sub> -eq kg CFC11 -eq mol H+ -eq kg P -eq kg N -eq mol N -eq g NMVOC -eq	0 0 0 0 0 0 0	C1 0 0 0 0 0 0 0 0	C2 2,37E-01 2,37E-01 9,80E-05 8,43E-05 5,37E-08 6,81E-04 1,89E-06 1,35E-04 1,51E-03 5,77E-04	C3 1,67E+01 8,03E-01 1,59E+01 1,53E-04 6,87E-08 2,86E-03 1,52E-05 1,14E-03 1,22E-02 3,18E-03	C4 1,34E-01 1,34E-01 9,46E-05 3,71E-05 3,72E-08 8,64E-04 1,33E-06 3,05E-04 3,39E-03 9,73E-04	D -6,57E+00 -6,54E+00 -4,58E-03 -2,48E-02 -4,68E-02 -3,46E-02 -4,20E-04 -7,80E-03 -8,08E-02 -3,47E-02

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

## Remarks to environmental impacts

<sup>&</sup>quot;Reading example: 9,0 E-03 = 9,0\*10-3 = 0,009"

<sup>\*</sup>INA Indicator Not Assessed

<sup>1.</sup> 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



Additional env	ironmental impact	indicators						
	Indicator	Unit	A1-A3	A4	A5	B2	В3	
	PM	Disease incidence	Disease incidence		1,16E-07	2,86E-09	1,31E-08	0
	IRP <sup>2</sup>	kgBq U235 -eq		9,38E+00	8,97E-02	2,45E-03	3,16E-02	0
4	ETP-fw <sup>1</sup>	CTUe		2,55E+03	1,50E+01	7,64E-01	4,95E+00	0
40 x	HTP-c <sup>1</sup>	CTUh		3,25E-07	0,00E+00	2,20E-11	7,39E-10	0
46 E	HTP-nc <sup>1</sup>	CTUh		1,58E-06	1,45E-08	9,59E-10	1,64E-08	0
	SQP <sup>1</sup>	dimensionless		1,73E+03	2,35E+01	3,84E-01	1,28E+00	0
Ind	licator	Unit	B4	C1	C2	C3	C4	D

li li	ndicator	Unit	B4	C1	C2	C3	C4	D
	PM	Disease incidence	0	0	1,45E-08	5,44E-08	1,55E-08	-8,11E-07
	IRP <sup>2</sup>	kgBq U235 -eq	0	0	1,57E-02	1,27E-02	1,12E-02	-3,75E-02
<i>(2)</i>	ETP-fw <sup>1</sup>	CTUe	0	0	2,65E+00	1,76E+01	1,80E+00	-3,79E+02
44. *** <u>\$</u>	HTP-c <sup>1</sup>	CTUh	0	0	0,00E+00	1,54E-09	6,80E-11	-2,93E-08
<del>28</del>	HTP-nc <sup>1</sup>	CTUh	0	0	2,90E-09	2,47E-08	1,93E-09	5,69E-07
	SQP <sup>1</sup>	dimensionless	0	0	2,50E+00	1,08E+00	6,09E+00	-6,52E+01

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)

<sup>&</sup>quot;Reading example: 9,0 E-03 = 9,0\*10-3 = 0,009"

<sup>\*</sup>INA Indicator Not Assessed

<sup>1.</sup> 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

<sup>2.</sup> 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	source use								
	Indicator		Uı	nit	A1-A3	A4	A5	B2	В3
	PERE		MJ		4,24E+02	2,58E-01	9,43E-03	6,21E-01	0
	PERM		МЈ		1,53E+02	0,00E+00	-1,75E+01	0,00E+00	0
F.	PERT		M	1)	5,77E+02	2,58E-01	-1,75E+01	6,21E-01	0
	PENRE		M	1)	8,34E+02	2,05E+01	5,73E-01	4,57E+00	0
49	PENRM		M	٩J	1,73E+01	0,00E+00	0,00E+00	0,00E+00	0
IA	PENRT		M	٩J	8,51E+02	2,05E+01	5,73E-01	4,57E+00	0
	SM		k	g	1,88E+00	0,00E+00	0,00E+00	0,00E+00	0
2	RSF		M	٩J	5,95E-01	9,03E-03	3,13E-04	4,98E-02	0
	NRSF		M	1)	1,43E+00	3,03E-02	1,29E-03	4,91E-02	0
<b>&amp;</b>	FW		m <sup>3</sup>		6,05E-01	2,33E-03	2,70E-04	7,85E-01	0
	ndicator	Unit	t	B4	C1	C2	C3	C4	D
Ü.	PERE	МЈ		0	0	5,13E-02	4,07E-01	5,92E-02	-6,08E+01
A	PERM	МЈ		0	0	0,00E+00	-1,35E+02	0,00E+00	0,00E+00
<b>1.</b>	PERT	МЈ		0	0	5,13E-02	-1,35E+02	5,92E-02	-6,08E+01
	PENRE	МЈ		0	0	3,58E+00	3,65E+00	2,77E+00	-5,89E+01
Å	PENRM	МЈ		0	0	0,00E+00	-1,14E+01	0,00E+00	0,00E+00
<b>IA</b>	PENRT	МЈ		0	0	3,58E+00	-7,77E+00	2,77E+00	-5,89E+01
	SM	kg		0	0	0,00E+00	0,00E+00	0,00E+00	0,00E+00
2	RSF	МЈ		0	0	1,83E-03	8,91E-03	1,49E-03	2,03E-01
	NRSF	МЈ		0	0	6,56E-03	0,00E+00	9,79E-02	2,84E+00
⊗	FW	m <sup>3</sup>		0	0	3,83E-04	4,89E-03	2,56E-03	-8,08E-02

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 used as raw materials; PENRM = Use of non 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			nit	A1-A3	A4	A5	B2	В3
	HWD		k	g	2,52E-01	1,12E-03	0,00E+00	8,64E-04	0
Ī	NHWD		k	g	2,14E+01	1,78E+00	2,53E+00	5,55E-02	0
<u>\$</u>	RWD		k	g	5,33E-03	1,40E-04	0,00E+00	2,68E-05	0
In	dicator		Unit	B4	C1	C2	C3	C4	D
	HWD		kg	0	0	1,85E-04	0,00E+00	1,05E+01	-3,11E-02
Ū	NHWD		kg	0	0	1,74E-01	1,99E-01	1,29E-01	-2,63E+00
8	RWD		kg	0	0	2,44E-05	0,00E+00	1,65E-05	-3,18E-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								
Ind	Indicator		Unit		A4	A5	B2	В3
<b>®▷</b>	CRU	kg	kg		0,00E+00	0,00E+00	0,00E+00	0
&>	MFR	kg		8,34E-01	0,00E+00	2,35E+00	0,00E+00	0
Þ₹	MER	kg		1,28E+00	0,00E+00	8,09E-02	0,00E+00	0
50	EEE	MJ		8,94E-01	0,00E+00	1,45E-01	0,00E+00	0
<b>D</b>	EET	MJ		1,35E+01	0,00E+00	2,19E+00	0,00E+00	0
Indicato	or	Unit	B4	C1	C2	C3	C4	D
<b>∅</b> >	CRU	kg	0	0	0,00E+00	0,00E+00	0,00E+00	0,00E+00
&>	MFR	kg	0	0	0,00E+00	5,37E+00	0,00E+00	0,00E+00
DF	MER	kg	0	0	0,00E+00	2,65E+01	0,00E+00	0,00E+00
<b>₹</b> D	EEE	MJ	0	0	0,00E+00	7,77E+00	0,00E+00	0,00E+00
DØ	EET	MJ	0	0	0,00E+00	1,18E+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	4,33E+00				
Biogenic carbon content in accompanying packaging	kg C	1,20E+00				

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, Sweden (kWh)	ecoinvent 3.6	54,94	g CO2-eg/kWh

## **Dangerous substances**

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

#### **Indoor environment**

No effect on indoor environment.

# **Additional Environmental Information**

## **Key Environmental Indicators**

Key environmental indicators	Unit	A1-A3	A4	A1-C4	A1-D
GWPtotal	kg CO <sub>2</sub> -eq	31,43	1,26	54,32	47,74
Total energy consumption	MJ	1260,07	20,81	1297,39	1180,77
Amount of recycled materials	%	6,25			

Additional environmental impact indicators required in NPCR Part A for construction products							
Indicator	Unit	Unit		A4	A5	B2	В3
GWPIOBC	kg CO <sub>2</sub> -eq	kg CO <sub>2</sub> -eq		1,26E+00	4,09E-02	2,69E-01	0
Indicator	Unit	B4	C1	C2	C3	C4	D
GWPIOBC	kg CO <sub>2</sub> -eq	0	0	2,37E-01	9,49E-01	1,34E-01	-9,50E+00

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 <sub>2</sub> - eq)	Total energy consumption (MJ)	Amount of recycled materials (%)		
Feather table (Rectangular) 43T18080 - 1800x800 mm, height 730 mm - Veneer	43,12	39,53	1906,22	6,51		
Feather table (Rectangular) 43T18070 - 1800x700 mm, height 900 mm - Veneer	37,57	32,80	1652,21	6,83		
Feather table (Rectangular) 43T16080 - 1600x800 mm, height 730 mm - Veneer	40,01	39,34	1764,69	6,36		
Feather table (Rectangular) 43T14080 - 1400x800 mm, height 730 mm - Veneer	37,15	39,84	1633,73	6,14		
Feather table (Rectangular) 43T14060 - 1400x600 mm, height 900 mm - Veneer	30,55	35,46	1329,58	6,15		
Feather table (Rectangular) 43T12080 - 1200x800 mm, height 730 mm - Veneer	34,20	40,10	1499,28	5,91		
Feather table (Rectangular) 43T12070 - 1200x700 mm, height 730 mm - Laminate	27,53	35,61	1082,09	20,13		
Feather table (Rectangular) 43T12070 - 1200x700 mm, height 730 mm - HPL	30,10	34,89	1353,98	7,29		
Feather table (Rectangular) 43T12070 - 1200x700 mm, height 730 mm - Desktop	30,34	37,92	1402,84	5,97		
Feather table (Corner radius) 43TC18080 - 1800x800 mm, height 730 mm - Veneer	42,88	39,82	1901,55	6,55		
Feather table (Corner radius) 43TC16080 - 1600x800 mm, height 730 mm - Veneer	39,77	39,63	1760,03	6,40		
Feather table (Corner radius) 43TC14080 - 1400x800 mm, height 730 mm - Veneer	36,91	40,13	1629,05	6,18		
Feather table (Corner radius) 43TC14060 - 1400x600 mm, height 1060 mm - Veneer	31,23	37,64	1360,49	6,22		
Feather table (Corner radius) 43TC12080 - 1200x800 mm, height 730 mm - Veneer	33,96	40,40	1494,60	5,95		

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