



# Environmental product declaration

in accordance with ISO 14025 and EN 15804+A2

# Divido table Dia 95









Owner of the declaration:

Swedese Möbler AB

**Product:** 

Divido table Dia 95

**Declared unit:** 

1 pcs

This declaration is based on Product Category

Rules:

CEN Standard EN 15804:2012+A2:2019 serves as core

NPCR 026:2022 Part B for Furniture

**Program operator:** 

The Norwegian EPD Foundation

**Declaration number:** 

NEPD-7815-7488-EN

Registration number:

NEPD-7815-7488-EN

Issue date:

15.10.2024

Valid to:

15.10.2029

**EPD** software:

LCAno EPD generator ID: 540939

The Norwegian EPD Foundation



## **General information**

#### Product

Divido table Dia 95

#### **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-7815-7488-EN

#### 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 Divido table Dia 95

#### Declared unit (cradle to gate) with option:

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

#### **Functional unit:**

Table for public environment, including packaging.

#### 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:

Swedese Möbler AB Contact person: Daniel Stenmarker Phone: 004639379711

e-mail: daniel.stenmarker@swedese.se

#### Manufacturer:

Swedese Möbler AB

#### Place of production:

Swedese Möbler AB Formvägen 567 23 Vaggeryd, Sweden

#### **Management system:**

ISO 9001, ISO 14001

#### Organisation no:

556280-1323

#### Issue date:

15.10.2024

#### Valid to:

15.10.2029

## Year of study:

2023

## **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: Daniel Stenmarker

Reviewer of company-specific input data and EPD: Anna Ek

Approved:

Håkon Hauar

Managing Director of EPD-Norway



## **Product**

#### **Product description:**

Divido is a table series designed by the design duo Broberg & Ridderstråle. Divido's characteristic expression arises where the moulded wooden legs meet the tabletop and gives the table a contemporary and elegant expression. The design is a flirt to Yngve Ekström's Lamino. Divido is a combination of both good design and craftsmanship. The table is available in several sizes with diameter 95, 120, 150 cm and is offered in oak or ash. The top is veneered with the exception of the white version, which can only be obtained with white laminate. Each leg is equipped with sliding feets that protects floors and carpets.

#### **Product specification**

The model studied in this declaration is Divido table Dia 95 cm in ash, including packaging.

This EPD includes the following variants:

Divido table Dia 120 cm in ash, including packaging.

Divido table Dia 150 cm in ash, including packaging.

The key environmental indicators for these variants are presented on a table at page 11 of this declaration.

If you are interested in the specific EPD-protocol for the variants, please contact us by info@swedese.se

Materials	kg	%	Recycled share in material (kg)	Recycled share in material (%)
Wood - Medium Density Fibreboard (MDF)	13,40	66,97	0,00	0,00
Wood - Solid beech/birch	4,20	20,99	0,00	0,00
Plastic - Polyethylene (LDPE)	0,01	0,05	0,00	0,00
Wood - Solid ash	1,20	6,00	0,00	0,00
Paint, solvent-based	0,37	1,85	0,00	0,00
Glue for wood	0,63	3,15	0,00	0,00
Metal - Steel	0,20	1,00	0,04	20,00
Total	20.01	100.00	0.04	

Packaging	kg	%	Recycled share in material (kg)	Recycled share in material (%)
Recycled cardboard	1,54	51,33	1,54	100,00
Packaging - Plastic	0,20	6,67	0,00	0,00
Packaging - Cardboard	1,26	42,00	0,00	0,00
Total incl. packaging	23,01	100,00	1,58	

## **Technical data:**

#### Market:

Worldwide

#### Reference service life, product

15 years, 5 years warranty

Reference service life, building

### LCA: Calculation rules

## **Declared unit:**

1 pcs Divido table Dia 95

#### **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.

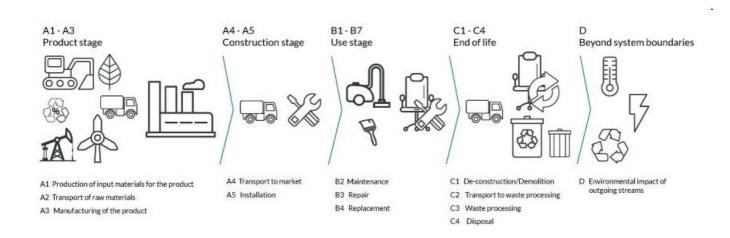
Materials	Source	Data quality	Year
Glue for wood	ecoinvent 3.6	Database	2019
Metal - Steel	ecoinvent 3.6	Database	2019
Packaging - Cardboard	Modified ecoinvent 3.6	Database	2019
Packaging - Plastic	ecoinvent 3.6	Database	2019
Paint, solvent-based	ecoinvent 3.6	Database	2019
Plastic - Polyethylene (LDPE)	ecoinvent 3.6	Database	2019
Recycled cardboard	Modified ecoinvent 3.6	Database	2019
Wood - Medium Density Fibreboard (MDF)	ecoinvent 3.6	Database	2019
Wood - Solid ash	modified ecoinvent 3.6	Database	2019
Wood - Solid beech/birch	modified ecoinvent 3.6	Database	2019



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

Р	roduct stag	ge		uction on stage					End of life stage			Beyond the system boundaries				
Raw materials	Transport	Manufacturing	Transport	Assembly	Use	Maintenance	Repair	Replacement	Refurbishment	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
Х	Х	Х	Χ	X	MND	Χ	Χ	Х	MND	MND	MND	Χ	Χ	Х	Χ	X

## **System boundary:**



## **Additional technical information:**



## LCA: Scenarios and additional technical information

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

A lacquered wood surface is sensitive to heat and damp, so use coasters and placemats for mugs, plates and naturally saucepans. For regular care, dry the furniture with a damp cloth and possibly a mild cleansing agent. Then dry properly with a dry cloth. Do not use scouring powders or other cleansers that contain abrasives, as they can scratch the surface. Nor should you use cleansing agents that contain ammonia.

Transport from production place to user (A4)	Capacity utilisation (incl. return) %	Distance (km)	Fuel/Energy Consumption	Unit	Value (Liter/tonne)
Truck, 16-32 tonnes, EURO 6 (km)	36,7 %	300	0,043	l/tkm	12,90
Assembly (A5)	Unit	Value			
Waste, packaging, plastic film (LDPE), to average treatment - A5 (kg)	kg	0,20			
Waste, packaging, cardboard, 100 % recycled, to average treatment (kg)	kg	1,54			
Waste, packaging, corrugated board box, 0 % recycled, to average treatment (kg)	kg	1,26			
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 %	145	0,043	l/tkm	6,24
Waste processing (C3)	Unit	Value			
Waste treatment per kg Wood, incineration with fly ash extraction (kg)	kg	18,80			
Waste, materials to recycling (kg)	kg	0,07			
Waste treatment per kg Scrap steel, incineration with fly ash extraction (kg)	kg	0,20			
Waste treatment per kg Hazardous waste, incineration (kg)	kg	0,63			
Waste treatment per kg Polyethylene, PE, incineration with fly ash extraction - C3 (kg)	kg	0,01			
Disposal (C4)	Unit	Value			
Landfilling of ashes from incineration of Wood, process per kg ashes and residues (kg)	kg	0,22			
Landfilling of ashes and residues from incineration of Scrap steel (kg)	kg	0,13			
Landfilling of ashes from incineration of Hazardous waste, from incineration (kg)	kg	0,12			
Landfilling of ashes from incineration of Polyethylene, PE, process per kg ashes and residues - C4 (kg)	kg	0,00			
Benefits and loads beyond the system boundaries (D)	Unit	Value			
Substitution of thermal energy, district heating, in Norway (MJ)	MJ	198,11			
Substitution of electricity, in Norway (MJ)	MJ	13,09			
Substitution of primary steel with net scrap (kg)	kg	0,05			



**LCA: Results** 

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

Environm	ental impact							
	Indicator	Uı	it	A1-A3	A4	A5	B2	В3
	GWP-total	kg CC	<sub>2</sub> -eq	-1,21E+01	1,13E+00	4,81E+00	0	0
	GWP-fossil	kg CC	kg CO <sub>2</sub> -eq		1,13E+00	6,11E-02	0	0
	GWP-biogenic	kg CC	<sub>2</sub> -eq	-3,61E+01	4,66E-04	4,75E+00	0	0
	GWP-luluc	kg CC	<sub>2</sub> -eq	8,08E-01	4,01E-04	1,62E-05	0	0
	ODP	kg CFC	11 -eq	4,13E-06	2,55E-07	1,05E-08	0	0
Œ.	AP	mol H	+ -eq	1,60E-01	3,24E-03	2,34E-04	0	0
<b>&amp;</b>	EP-FreshWater	kg F	-eq	1,19E-03	9,00E-06	4,04E-07	0	0
4	EP-Marine	kg N	-eq	2,94E-02	6,41E-04	8,88E-05	0	0
*	EP-Terrestial	mol	I -eq	3,94E-01	7,17E-03	8,38E-04	0	0
	POCP	kg NM\	OC -eq	1,01E-01	2,75E-03	2,44E-04	0	0
<b>S</b>	ADP-minerals&metals <sup>1</sup>	kg S	o-eq	5,22E-04	3,11E-05	1,19E-06	0	0
A	ADP-fossil <sup>1</sup>	N	J	6,44E+02	1,70E+01	6,99E-01	0	0
<u>@</u>	WDP <sup>1</sup>	n	3	3,20E+04	1,65E+01	1,03E+00	0	0
				3,202 - 0 1	.,	.,		ŭ
	Indicator	Unit	B4	C1	C2	C3	C4	D
	<b>Indicator</b> GWP-total							
		Unit	B4	C1	C2	C3	C4	D
	GWP-total	<b>Unit</b> kg CO <sub>2</sub> -eq	B4 0	C1 0	C2 5,45E-01	C3 3,33E+01	C4 6,28E-02	D -1,25E+00
	GWP-total GWP-fossil	<b>Unit</b> kg CO <sub>2</sub> -eq kg CO <sub>2</sub> -eq	0 0	C1 0	C2 5,45E-01 5,45E-01	C3 3,33E+01 1,66E+00	C4 6,28E-02 6,28E-02	D -1,25E+00 -1,21E+00
	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	B4 0 0 0	C1 0 0	C2 5,45E-01 5,45E-01 2,25E-04	C3 3,33E+01 1,66E+00 3,16E+01	C4 6,28E-02 6,28E-02 2,68E-05	D -1,25E+00 -1,21E+00 -2,40E-03
<b>P</b>	GWP-total GWP-fossil GWP-biogenic GWP-Iuluc	Wnit  kg CO <sub>2</sub> -eq  kg CO <sub>2</sub> -eq  kg CO <sub>2</sub> -eq  kg CO <sub>2</sub> -eq	B4 0 0 0 0	0 0 0 0	C2 5,45E-01 5,45E-01 2,25E-04 1,94E-04	C3 3,33E+01 1,66E+00 3,16E+01 3,88E-04	C4 6,28E-02 6,28E-02 2,68E-05 6,95E-06	D -1,25E+00 -1,21E+00 -2,40E-03 -3,96E-02
<b>P P P D</b>	GWP-total GWP-fossil GWP-biogenic GWP-luluc ODP	kg CO <sub>2</sub> -eq	B4 0 0 0 0 0	0 0 0 0 0	C2 5,45E-01 5,45E-01 2,25E-04 1,94E-04 1,23E-07	C3 3,33E+01 1,66E+00 3,16E+01 3,88E-04 1,79E-07	C4 6,28E-02 6,28E-02 2,68E-05 6,95E-06 4,08E-09	D -1,25E+00 -1,21E+00 -2,40E-03 -3,96E-02 -8,37E-02
	GWP-total GWP-fossil GWP-biogenic GWP-luluc ODP AP	kg CO <sub>2</sub> -eq mol H+ -eq	B4 0 0 0 0 0 0	0 0 0 0 0	C2 5,45E-01 5,45E-01 2,25E-04 1,94E-04 1,23E-07 1,57E-03	C3 3,33E+01 1,66E+00 3,16E+01 3,88E-04 1,79E-07 5,01E-03	C4 6,28E-02 6,28E-02 2,68E-05 6,95E-06 4,08E-09 1,48E-04	D -1,25E+00 -1,21E+00 -2,40E-03 -3,96E-02 -8,37E-02 -9,76E-03
	GWP-total GWP-fossil GWP-biogenic GWP-luluc ODP AP EP-FreshWater	kg CO <sub>2</sub> -eq kg CFC11 -eq mol H+ -eq kg P -eq	B4 0 0 0 0 0 0 0	0 0 0 0 0 0	C2 5,45E-01 5,45E-01 2,25E-04 1,94E-04 1,23E-07 1,57E-03 4,35E-06	C3 3,33E+01 1,66E+00 3,16E+01 3,88E-04 1,79E-07 5,01E-03 3,74E-05	C4 6,28E-02 6,28E-02 2,68E-05 6,95E-06 4,08E-09 1,48E-04 6,42E-07	D -1,25E+00 -1,21E+00 -2,40E-03 -3,96E-02 -8,37E-02 -9,76E-03 -1,06E-04
	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	B4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	C2 5,45E-01 5,45E-01 2,25E-04 1,94E-04 1,23E-07 1,57E-03 4,35E-06 3,10E-04	C3 3,33E+01 1,66E+00 3,16E+01 3,88E-04 1,79E-07 5,01E-03 3,74E-05 1,84E-03	C4 6,28E-02 6,28E-02 2,68E-05 6,95E-06 4,08E-09 1,48E-04 6,42E-07 4,14E-05	D -1,25E+00 -1,21E+00 -2,40E-03 -3,96E-02 -8,37E-02 -9,76E-03 -1,06E-04 -3,15E-03
	GWP-total GWP-fossil GWP-biogenic GWP-luluc ODP AP EP-FreshWater EP-Marine EP-Terrestial	kg CO <sub>2</sub> -eq kg CFC11 -eq mol H+ -eq kg P -eq kg N -eq mol N -eq	B4 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	C2 5,45E-01 5,45E-01 2,25E-04 1,94E-04 1,23E-07 1,57E-03 4,35E-06 3,10E-04 3,46E-03	C3 3,33E+01 1,66E+00 3,16E+01 3,88E-04 1,79E-07 5,01E-03 3,74E-05 1,84E-03 1,98E-02	C4 6,28E-02 6,28E-02 2,68E-05 6,95E-06 4,08E-09 1,48E-04 6,42E-07 4,14E-05 4,78E-04	D -1,25E+00 -1,21E+00 -2,40E-03 -3,96E-02 -8,37E-02 -9,76E-03 -1,06E-04 -3,15E-03 -3,41E-02
	GWP-total GWP-fossil GWP-biogenic GWP-luluc ODP AP EP-FreshWater EP-Marine EP-Terrestial POCP	kg CO <sub>2</sub> -eq kg CFC11 -eq mol H+ -eq kg P -eq kg N -eq mol N -eq kg NMVOC -eq	B4 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	C2 5,45E-01 5,45E-01 2,25E-04 1,94E-04 1,23E-07 1,57E-03 4,35E-06 3,10E-04 3,46E-03 1,33E-03	C3 3,33E+01 1,66E+00 3,16E+01 3,88E-04 1,79E-07 5,01E-03 3,74E-05 1,84E-03 1,98E-02 5,03E-03	C4 6,28E-02 6,28E-02 2,68E-05 6,95E-06 4,08E-09 1,48E-04 6,42E-07 4,14E-05 4,78E-04 1,33E-04	D -1,25E+00 -1,21E+00 -2,40E-03 -3,96E-02 -8,37E-02 -9,76E-03 -1,06E-04 -3,15E-03 -3,41E-02 -9,52E-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

#### 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 er	Additional environmental impact indicators											
	Indicator	Unit		A1-A3	A4	A5	B2	В3				
	PM	Disease incidence		2,40E-06	6,90E-08	3,52E-09	0	0				
(101)	IRP <sup>2</sup>	kgBq U235 -eq		1,14E+01	7,45E-02	3,01E-03	0	0				
	ETP-fw <sup>1</sup>	CTUe		9,45E+02	1,26E+01	9,07E-01	0	0				
40. *** <u>!</u>	HTP-c <sup>1</sup>	CTUh	CTUh			2,70E-11	0	0				
48° B	HTP-nc <sup>1</sup>	CTUh	CTUh		1,38E-08	1,12E-09	0	0				
	SQP <sup>1</sup>	dimensionless	dimensionless		1,19E+01	5,39E-01	0	0				
li li	ndicator	Unit	B4	C1	C2	C3	C4	D				
	PM	Disease incidence	0	0	3,34E-08	6,26E-08	1,33E-09	-5,78E-07				
	IRP <sup>2</sup>	kgBq U235 -eq	0	0	3,60E-02	3,03E-02	1,91E-03	-1,05E-01				
	ETP-fw <sup>1</sup>	CTUe	0	0	6,11E+00	3,22E+01	8,79E-01	-9,27E+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)

0,00E+00

6,67E-09

5,76E+00

0

2,01E-09

4,07E-08

2,59E+00

4,60E-11

1,68E-09

1,05E+00

-1,92E-09

-7,94E-08

-1,10E+02

CTUh

CTUh

dimensionless

HTP-c<sup>1</sup>

HTP-nc<sup>1</sup>
SQP<sup>1</sup>

<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									
	Indicator		U	nit	A1-A3	A4	A5	B2	В3
	PERE		N	NJ	4,09E+02	2,44E-01	1,21E-02	0	0
	PERM	PERM		MJ		0,00E+00	-2,91E+01	0	0
Ţ,	PERT		N	ΝJ	5,99E+02	2,44E-01	-2,91E+01	0	0
<b>3</b>	PENRE		N	۷J	6,38E+02	1,70E+01	6,99E-01	0	0
Å	PENRM		N	۷J	8,92E+00	0,00E+00	-8,49E+00	0	0
<b>IA</b>	PENRT		N	۷J	6,47E+02	1,70E+01	-7,79E+00	0	0
	SM		k	κg	1,58E+00	0,00E+00	0,00E+00	0	0
	RSF		N	۷J	1,54E+00	8,73E-03	3,89E-04	0	0
	NRSF		N	۷J	2,07E+00	3,12E-02	1,54E-03	0	0
<b>%</b>	FW		m <sup>3</sup>		8,28E-01	1,82E-03	3,34E-04	0	0
Indi	icator	Ur	nit	B4	C1	C2	C3	C4	D
Indi	icator PERE		<b>nit</b> MJ	B4 0	C1 0	C2 1,18E-01	C3 1,12E+00	C4 3,53E-02	D -1,01E+02
		N							
Č.	PERE	N	۷J	0	0	1,18E-01	1,12E+00	3,53E-02	-1,01E+02
G L	PERE PERM	M M	vา vา	0	0	1,18E-01 0,00E+00	1,12E+00 -1,61E+02	3,53E-02 0,00E+00	-1,01E+02 0,00E+00
<b>.</b> <b></b>	PERE PERM PERT	N N N	וא וא וא	0 0	0 0	1,18E-01 0,00E+00 1,18E-01	1,12E+00 -1,61E+02 -1,60E+02	3,53E-02 0,00E+00 3,53E-02	-1,01E+02 0,00E+00 -1,01E+02
<b>.</b> <b></b> <b></b>	PERE PERM PERT PENRE	M M M	NI NI NI	0 0 0	0 0 0 0	1,18E-01 0,00E+00 1,18E-01 8,24E+00	1,12E+00 -1,61E+02 -1,60E+02 7,71E+00	3,53E-02 0,00E+00 3,53E-02 3,68E-01	-1,01E+02 0,00E+00 -1,01E+02 -1,69E+01
E E F	PERE PERM PERT PENRE PENRM	N N N N	עז עז עז עז	0 0 0 0	0 0 0 0	1,18E-01 0,00E+00 1,18E-01 8,24E+00 0,00E+00	1,12E+00 -1,61E+02 -1,60E+02 7,71E+00 -4,25E-01	3,53E-02 0,00E+00 3,53E-02 3,68E-01 0,00E+00	-1,01E+02 0,00E+00 -1,01E+02 -1,69E+01 0,00E+00
	PERE PERM PERT PENRE PENRM PENRT	N N N N N	עז עז עז עז עז	0 0 0 0 0	0 0 0 0 0	1,18E-01 0,00E+00 1,18E-01 8,24E+00 0,00E+00 8,24E+00	1,12E+00 -1,61E+02 -1,60E+02 7,71E+00 -4,25E-01 7,28E+00	3,53E-02 0,00E+00 3,53E-02 3,68E-01 0,00E+00 3,68E-01	-1,01E+02 0,00E+00 -1,01E+02 -1,69E+01 0,00E+00 -1,69E+01
	PERE PERM PERT PENRE PENRM PENRT SM	N N N N N	ea N1 N1 N1 N1	0 0 0 0 0 0	0 0 0 0 0 0	1,18E-01 0,00E+00 1,18E-01 8,24E+00 0,00E+00 8,24E+00 0,00E+00	1,12E+00 -1,61E+02 -1,60E+02 7,71E+00 -4,25E-01 7,28E+00 0,00E+00	3,53E-02 0,00E+00 3,53E-02 3,68E-01 0,00E+00 3,68E-01 0,00E+00	-1,01E+02 0,00E+00 -1,01E+02 -1,69E+01 0,00E+00 -1,69E+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 resources used as raw materials; PENRT = Total use of non renewable primary energy resources; SM = Use of secondary 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	U	nit	A1-A3	A4	A5	B2	В3
	HWD	k	g	9,80E-02	8,79E-04	0,00E+00	0	0
Ō	NHWD	k	g	6,46E+00	8,29E-01	3,00E+00	0	0
<u> </u>	RWD	kg		5,73E-03	1,16E-04	0,00E+00	0	0
In	dicator	Unit	B4	C1	C2	C3	C4	D
	HWD	kg	0	0	4,25E-04	0,00E+00	2,89E-01	-1,08E-03
Ū	NHWD	kg	0	0	4,01E-01	6,30E-01	1,79E-01	-4,12E-01
8	RWD	kg	0	0	5,61E-05	0,00E+00	6,59E-07	-8,58E-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	licator	Ur	Unit		A4	A5	B2	В3
<b>@▷</b>	CRU	kg		0,00E+00	0,00E+00	0,00E+00	0	0
&▷	MFR	k	9	0,00E+00	0,00E+00	2,71E+00	0	0
DF	MER	k	kg		0,00E+00	1,38E-05	0	0
50	EEE	MJ		0,00E+00	0,00E+00	1,60E-01	0	0
DØ	EET	M	MJ		0,00E+00	2,42E+00	0	0
Indicato	or	Unit	B4	C1	C2	C3	C4	D
<b>∅&gt;</b>	CRU	kg	0	0	0,00E+00	0,00E+00	0,00E+00	0,00E+00
\$>	MFR	kg	0	0	0,00E+00	6,79E-02	0,00E+00	0,00E+00
DF	MER	kg	0	0	0,00E+00	1,96E+01	0,00E+00	0,00E+00
50	EEE	MJ	0	0	0,00E+00	1,31E+01	0,00E+00	0,00E+00
DØ	EET	MJ	0	0	0,00E+00	1,98E+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								
Unit	At the factory gate							
kg C	8,62E+00							
kg C	1,30E+00							
	kg C							

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**

## **Additional Environmental Information**

## **Key Environmental Indicators**

Key environmental indicators	Unit	A1-A3	A4	A1-C4	A1-D
GWPtotal	kg CO <sub>2</sub> -eq	-12,08	1,13	27,76	26,51
Total energy consumption	MJ	1050,29	17,33	1086,03	961,65
Amount of recycled materials	%	6.87			

Additional environmental impact indicators required in NPCR Part A for construction products							
Indicator	Unit		A1-A3	A4	A5	B2	В3
GWPIOBC	kg CO <sub>2</sub> -eq	kg CO <sub>2</sub> -eq		1,13E+00	6,12E-02	0	0
Indicator	Unit	B4	C1	C2	C3	C4	D
GWPIOBC	kg CO <sub>2</sub> -eq	0	0	5,45E-01	1,66E+00	6,31E-02	-1,26E+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 (%)	
Divido table Dia 120	33,20	-18,32	1320,13	6,41	
Divido table Dia 150	78,90	-63,56	2200,70	2,84	



## **Bibliography**

ISO 14025:2010 Environmental labels and declarations - Type III environmental declarations - Principles and procedures.

ISO 14044:2006 Environmental management - Life cycle assessment - Requirements and guidelines.

EN 15804:2012+A2:2019 Environmental product declaration - Core rules for the product category of construction products.

ISO 21930:2017 Sustainability in buildings and civil engineering works - Core rules for environmental product declarations of construction products.

ecoinvent v3, Allocation, cut-off by classification, Swiss Centre of Life Cycle Inventories.

Iversen et al., (2021) eEPD v2021.09 Background information for EPD generator tool system verification, LCA.no Report number: 07.21 Ruud et al., (2023) EPD generator for NPCR026 Part B for Furniture - Background information for EPD generator application and LCA data, LCA.no report number 01.23

NPCR Part A: Construction products and services. Ver. 2.0. March 2021, EPD-Norge.

NPCR 026 Part B for Furniture. Ver. 2.0 March 2022, EPD-Norge.

	Program operator and publisher	Phone: +47 977 22 020
© epd-norge	The Norwegian EPD Foundation	e-mail: post@epd-norge.no
Global program operatør	Post Box 5250 Majorstuen, 0303 Oslo, Norway	web: www.epd-norge.no
	Owner of the declaration:	Phone: 004639379711
	Swedese Möbler AB	e-mail: daniel.stenmarker@swedese.se
	Formvägen, 567 23 Vaggeryd	web: https://www.swedese.se/
	Author of the Life Cycle Assessment	Phone: +47 916 50 916
(LCA)	LCA.no AS	e-mail: post@lca.no
.no	Dokka 6A, 1671 Kråkerøy	web: www.lca.no
	Developer of EPD generator	Phone: +47 916 50 916
(LCA)	LCA.no AS	e-mail: post@lca.no
.no	Dokka 6A, 1671 Kråkerøy	web: www.lca.no
ECO PLATFORM	ECO Platform	web: www.eco-platform.org
VERIFIED	ECO Portal	web: ECO Portal