HOLMRIS B8

Declared unit:

Tweet sofa, backrest, 2-seater, 160x80cm

by HOLMRIS B8

The total estimated climate emission

270 kg CO2-e

This result lies within the below range of outcomes:

Best case:	**190 KG CO2eq**	**-30%**
Worst case:	**320 KG CO2eq**	**+19%**

This **LCA-screening** is based on the **PEF-method (Product Environmental Footprint)** by **The European Commission**, see the **DISCLAIMER** for its relationships to other environmental accounting methods and guidance documents.

Verification:

All components used in this product-screening has been verified by MÅLBAR, and is thereby **suitable for B2B communication as well as for company reporting (GHG, CSRD).**

05-05-2025

Owner of this declaration:

HOLMRIS B8 A/S
Odinsvej 5
8850 Bjerringbro
Denmark

Software provider for this LCA:

MÅLBAR

DISCLAIMER

Standard for calculation

This climate footprint report is calculated according to EUs rules for Product Environmental Footprint (PEF). When data was not available from the brand-owner, conservative estimates has been applied. All phases of the product lifecycle are included in the calculation. For the phases after factory-gate; Use Phase and Disposal conservative estimates are applied, build from the PEF rules. Specifically, the Disposal part is calculated based on an EU average. This declaration only focus on Climate Impact.

The data sources behind these calculations are: **EcoInvent 3.8** and **EF 3.0 PEF** data as well as **PEF compliant LCA data**. (read more here: **www.maalbar.dk/transparency/**)

Relationship to other methods and standards

Each requirement specified in the PEF method is developed taking into consideration the recommendations of similar, widely recognised product environmental accounting methods and guidance documents. Specifically, the methodological guides considered are:

(a) EN ISO 14040:2006
(b) EN ISO 14044:2006
(c) EN ISO 14067:2018
(d) ISO 14046:2014
(e) EN ISO 14020:2001
(f) EN ISO 14021:2016
(g) EN ISO 14025:2010
(h) ISO 14050:2020
(i) CEN ISO/TS 14071:2016
(j) ISO 17024:2012
(k) PEF Guide
(l) ILCD
(m) Ecological Footprint Standards
(n) Greenhouse Gas Protocol
(o) BP X30-323-0:2015
(p) PAS 2050:2011
(q) ENVIFOOD Protocol
(r) FAO:2016.

Method of data application

This report is generated by using MÅLBAR's Climate Screening Tool with the brand-owner firstly performing a self-assessment afterwards going through the VERIFICATION Process in Målbar. (Read more here: **www.maalbar.dk/verification/**). This is not a 3rd party verification.

Communication of results

The results in this report, is not intended for communication towards the private consumer but only for Professional customers. As of todays date (the date of **VERIFICATION**) we are awaiting clear instructions from the Consumer Protection Authorities within Europe, until these are clarified Målbar does not recommend for this report to be used for communication towards the private customer.

Responsibility of data

It is the sole responsibility of the Brand Owner concerning all Input data (including: Material weights, Packaging weight and dimensions, Origins of production, origins of material, Transport information and Warehouse and Retail information). With the verification of this report, Målbar has manually controlled these data towards the normal-field of data for this product type and questioned the Brand Owner for outliers before completing this report.

Validity of report

The results of this report is valid for 1 year from the report date.

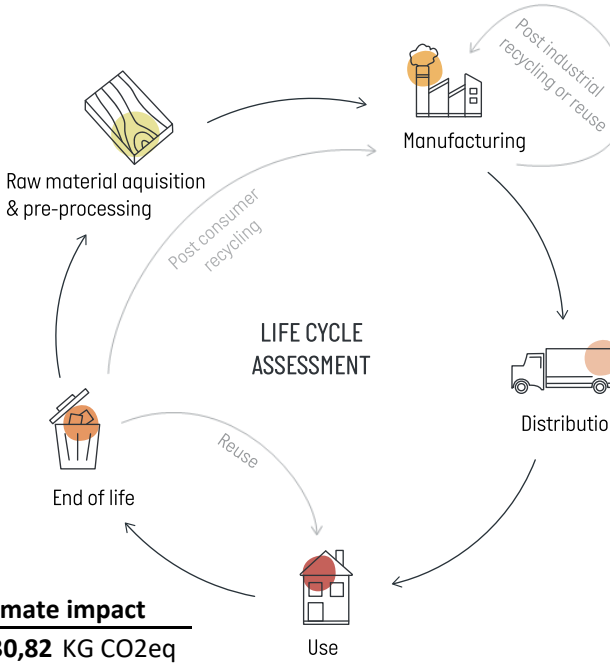
Software version

v. 2.9700

LIFE CYCLE ASSESSMENT STAGES

This complete LCA-screening (cradle-to-grave) includes the total climate impact (KG CO2e) for the full life-cycle of the Declared unit.

All life-cycle stages have been declared, and can be viewed in the below table and related visualisation



Stage	Climate impact
Raw Material aquisition & Pre-processing	**130,82** KG CO2eq
Manufacturing	**97,99** KG CO2eq
Distribution	**10,13** KG CO2eq
Use	**1,06** KG CO2eq
End of life	**26,44** KG CO2eq
TOTAL	**266,44 KG CO2eq**

Material group representation and their climate emissions*

Presented below are the different material groups in the product and their estimated contribution to the products total emissions as well as a presentation of the material breakdown with Recycle shares and share of "Design for Disassembly" in the product.

Material Group	Total impact*	Total material weight
Solid Wood	**9,63** *kg CO2eq*	**3,32** *Kg*
Wood based board	**112,54** *kg CO2eq*	**38,63** *Kg*
Metal	**54,30** *kg CO2eq*	**10,36** *Kg*
Plastic	**0,37** *kg CO2eq*	**0,05** *Kg*
Glass / Stone / Ceramics	**0,00** *kg CO2eq*	**0,00** *Kg*
Surface finish & chemicals	**3,04** *kg CO2eq*	**0,05** *Kg*
Upholstery	**46,88** *kg CO2eq*	**6,24** *Kg*
Cover	**8,55** *kg CO2eq*	**1,76** *Kg*
Electronic components	**0,00** *kg CO2eq*	**0,00** *Kg*
Packaging	**6,14** *kg CO2eq*	**3,26** *Kg*
Transport & logistics	**10,13** *kg CO2eq*	
	TOTAL (incl packaging)	**63,68** *Kg*
	TOTAL (excl. Packaging)	**60,42** *Kg*

**) The values presented here, is total emission pr material group (incl. material, production, material-transport and waste)*

Specific material element emissions*

Below is an overview of the emission of the most emitting elements in the product. Each element i
visually divided between the emission from the amount of material in the product and it's associat
waste-emission. Included are the material and production waste with production processes,
transportation and disposal scenarios. This gives an overview of each specific material versus wast

Element	Total impact
Tweet sofa, backrest, 2-seater, 160x80cm - cor	**261,21** *kg CO2eq*
Transport	**5,22** *kg CO2eq*

**) The values presented here, is total emission pr element (incl. Material, production, transport, Waste)*

Transport emissions of final product

Product transportation can be seen below, divided into the different transport legs, correlating wit
route of the final product. PLEASE NOTE, that all upstream transport-emissions are not presented l
included in the total emission for the product.

Element	Total impact
Warehouse - Customer	**3,96** *kg CO2eq*
Supplier - warehouse	**1,27** *kg CO2eq*

**) The PEF default transport is applied for all unspecified transport*

DATA QUALIFICATION

This LCA-screening is based on user-input data from the brand owner, along with average data in conformity with PEF. Where no user-input have been applied, conservative assumptions have been created.

Assumptions may include:

- Origin of Materials
- Origin of component production
- Additional material information (e.g. for textiles: D-tex values and treatment processes)
- Any Recycled or certified Sustainable content in each material is only included when suifficent documentation has been provided.
- Production waste amounts and handling of such.
- Transportation types and distances
- Waste handling of the product at end-of-life (EU average data)

It is possible for the Brand-owner to apply company specific data on a material or component-prouction by "onboarding" each individual production site into the system. This is referred to as primary process data and can cover a certain percentage of the total production-stage and part of the material-stage.

For this specific product:

0 % primary process data have been applied

100 % average process data have been applied

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