

Upside Tables



Environmental Product Declaration

Date of Issue: 11/12/21

Date of Expiration: 11/12/26

Product Category Rule



BIFMA PCR for Tables, UNCPC 3812

Functional Unit

1 m² of physical floor space (workspace and storage) for a period of 10 years.



This EPD was not written to support comparative assertions. EPDs based on different PCRs or different calculation models may not be comparable. When attempting to compare EPDs or life cycle impacts of products from different companies, the user should be aware of the uncertainty in the final results due to and not limited to the practitioner's assumptions, the source of the data used in the study and the software tool used to conduct the study.

Program Operator	NSF Certification, LLC 789 N. Dixboro, Ann Arbor, MI 48105 sustainability@nsf.org
Manufacturer Name and Address	Haworth, Inc. One Haworth Center Holland, MI 49423 sustainability@haworth.com
Declaration Number	EPD10670
Declared Product and Functional Unit	1 m ² of physical floor space (workspace and storage) for a period of 10 years.
Reference PCR and Version Number	BIFMA PCR for Tables: UNCPC 3812
Product's intended Application and Use	Commercial Furniture
Product RSL	10 years
Markets of Applicability	North America
Date of Issue	November 12, 2021
Period of Validity	5 years from date of issue
EPD Type	Product Specific
Intended Audience	Business-to-Business, Business-to-Consumer
Range of Dataset Variability	N/A
EPD Scope	Cradle to Grave
Year of reported manufacturer primary data	2020
LCA Software and Version Number	GaBi 10.0.0.20
LCI Database and Version Number	GaBi Database Version 2021.1
LCIA Methodology and Version Number	IPCC AR5 + TRACI 2.1
The sub-category PCR review was conducted by:	Thomas Gloria, PhD (chair) Jack Geibig, P.E. Michael Overcash, PhD
This declaration was independently verified in accordance with ISO 14025: 2006. The BIFMA PCR for Tables: UNCPC 3812 serves as the core PCR. <input type="checkbox"/> Internal <input checked="" type="checkbox"/> External	 Tony Favilla afavilla@nsf.org
This life cycle assessment was conducted in accordance with ISO 14044 and the reference PCR by:	WAP Sustainability Consulting
This life cycle assessment was independently verified in accordance with ISO 14044 and the reference PCR by:	 Jack Geibig jgeibig@ecoform.com
<p>Limitations: Environmental declarations from different programs (ISO 14025) may not be comparable. The PCR this EPD was based on was written to determine the potential environmental impacts of a furniture workspace product from cradle-to-grave. It was not written to support comparative assertions. EPDs based on different PCRs, or different calculation models, may not be comparable. When attempting to compare EPDs or life cycle impacts of products from different companies, the user should be aware of the uncertainty in the final results, due to and not limited to, the practitioner's assumptions, the source of the data used in the study, and the specifics of the product modeled. Additional information on the life cycle assessment can be found by contacting Haworth directly.</p>	

Company Description

Haworth strives to be a sustainable corporation. We believe operating a sustainable corporation will allow us to help people do great things for generations to come. We are on a journey—one that promotes longevity and delivers value to the people, communities, and planet that we serve. At our core, we are a family—and we weather challenges together. Haworth is built upon a culture that empowers members and all stakeholders to make positive changes. We strengthen existing partnerships and build new ones, while empowering our members and leveraging our global reach, as we continue our drive toward making positive changes for the people and communities, we serve all over the world.

Product Description

Upside+ (TJRA) is a freestanding height-adjustable, single-user table solution that provides an extended range of adjustment to accommodate a greater range of people and meet the BIFMA G1 industry guideline for ergonomic workstations. It also offers a broad range of table widths for flexibility in space design. Upside base is manufactured in a facility with quality and environmental management system in place in China. It is powder-coated in Cedar Springs, MI. The top is manufactured at Haworth’s facility in Holland, MI – an ISO 14001 and ISO 9001 certified facility. This product can be easily disassembled at the end of its useful life. This product is designed to endure and is made of long-lasting high-quality materials. It has replaceable wearing parts for easy disassembly. When a product reaches the end of its useful life, customers and partners are encouraged to avoid landfilling and instead pursue second life options.

Results were calculated for a single configuration of the table (TJRA-2970-LJNCWN). However, this EPD encompasses results for all variations within the Upside+ Table (TJRA) family that can be developed from the below table. The configuration selected is typical and aligns with the representative product selected for BIFMA Level certification. Results for other configurations fall within 10% of the representative product. Product numbers take the following format:

TJRA-[Depth]-[Width]-[Surface]-[Edge]SN[Base][Height Adjustment Actuator][Model]

Depth	Width	Surface	Edge	Base	Height Adjustment Actuator	Model
23"	64"	Laminate (L)	Laminate (J)	C-Leg (C)	Single Stage Standard Paddle (X)	Standard (G)
29"	70"	Wood (W)	Wood (K)	T-Leg (T)	Single Stage Programmable Paddle (Y)	Value (N)
	76"				Double Stage Standard Paddle (X)	
					Double Stage Programmable Paddle (Y)	

The table evaluated consists of a 29" x 70" laminate top and a height adjustable steel base. The composition of the table is provided below, with a total product weight of 59.0 kg and area of 1.31 m². The functional unit of 1 m² requires a scaling factor of 0.76 tables, equaling a reference flow mass of 45.0 kg. The number of functional units contained by the table is 1.31.

Material	[kg]	[%]	Post-Consumer Recycled Content [%]	Post-Industrial Recycled Content [%]
Particleboard	26.2	44	30%	70%
Steel	24.3	41		Industry average, 0%
Aluminum	3.0	5		Industry average, 24%
Copper	1.7	3		
Plastic	1.6	3		
Laminate	1.3	2	34%	
Other	0.8	1		

Additional Environmental Information

- FSC ® Certified
- GREENGUARD Gold Certified
- BIFMA LEVEL 3 Certified
- Meets BIFMA G1 – 2013 Ergonomics Guideline for Furniture

Functional Unit

The functional unit is 1 m² of workspace, maintained for a 10-year period. The products under study have a 10-year service life under ANSI/BIFMA X5.5 and therefore do not require replacements to meet the functional unit. The area of each table was calculated in accordance with the method outlined by section 3 of the PCR.

LCA Stages



Materials Acquisition & Pre-Processing | Includes raw material extraction, pre-processing of materials, and transport to production.

Production | Includes component and final assembly manufacturing operations, both by Haworth and upstream suppliers, as well as intermediate transport and packaging requirements.

Distribution, Storage, and Use | Includes the production-weighted average distribution to customers. No additional storage is required. The table utilizes electricity to adjust in height. Per the PCR, this is excluded from the scope of the LCA study, however energy requirements are reported. The energy requirement for adjusting the table from the lowest to highest position and returning to lowest is 0.00451 kWh.

End-of-Life | Includes transport to and disposal of product and packaging based on average US recycling rates for homogenous materials, and an 80/20 landfill/incineration rate for non-homogenous materials.

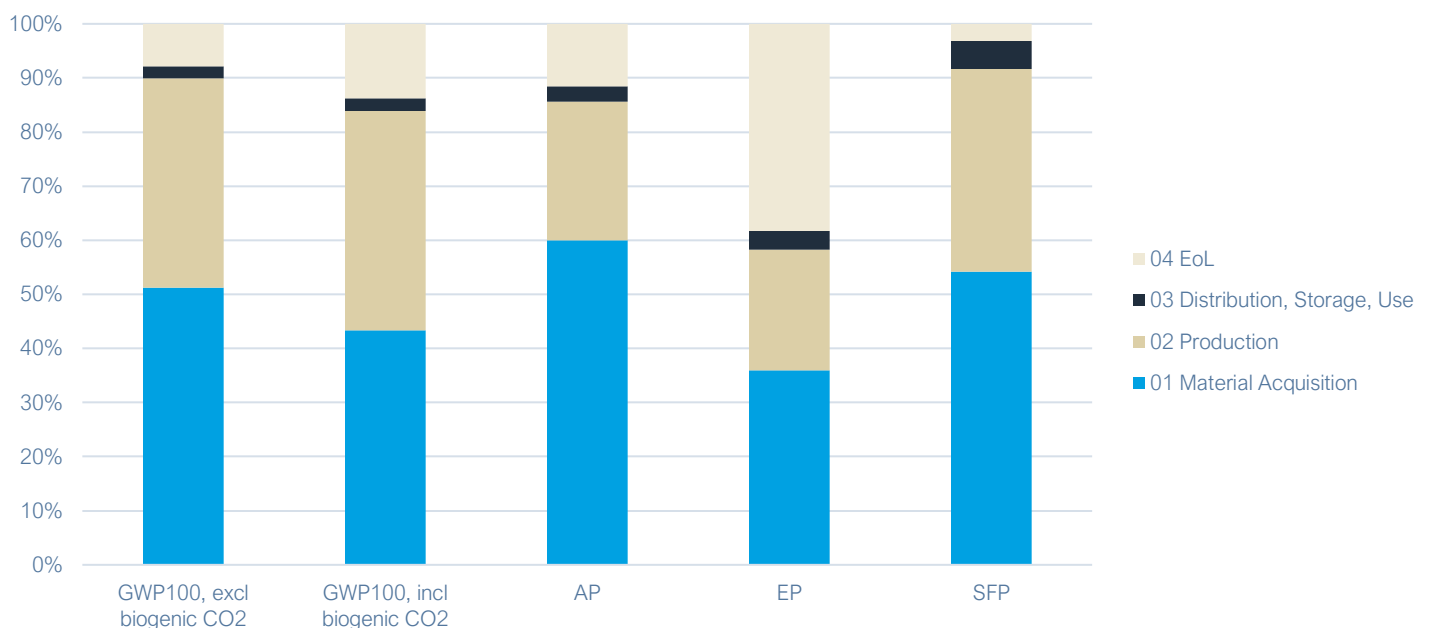
LCA Results

All results are given per functional unit, which is 1 m² of workspace, maintained for a 10-year period. Results are reported separately by life cycle stage.

Impact Category	Material Acquisition	Production	Distribution, Storage, Use	EOL	Total
<i>IPCC AR5 LCIA Impacts</i>					
Global Warming Potential, incl biogenic [kg CO ₂ eq]	1.48E+02	1.12E+02	6.49E+00	2.28E+01	2.89E+02
Global Warming Potential, excl biogenic [kg CO ₂ eq]	1.16E+02	1.09E+02	6.48E+00	3.69E+01	2.69E+02
<i>TRACI LCIA Impacts (North America)</i>					
Acidification Potential [kg SO ₂ eq]	6.37E-01	2.72E-01	2.97E-02	1.22E-01	1.06E+00
Eutrophication Potential [kg N eq]	2.99E-02	1.86E-02	2.83E-03	3.20E-02	8.34E-02
Ozone Depletion Potential [kg CFC 11 eq]	1.06E-07	1.54E-07	1.27E-15	7.10E-15	2.59E-07
Smog Formation Potential [kg O ₃ eq]	7.22E+00	4.99E+00	6.88E-01	4.27E-01	1.33E+01
<i>Resource Use Indicators</i>					
Renewable primary resources used as an energy carrier [MJ]	7.89E+02	1.79E+02	3.71E+00	2.66E+00	9.74E+02

Impact Category	Material Acquisition	Production	Distribution, Storage, Use	EOL	Total
Renewable primary resources with energy content used as a material [MJ]	1.46E+01	0.00E+00	0.00E+00	0.00E+00	1.46E+01
Renewable primary resources, total [MJ]	8.04E+02	1.79E+02	3.71E+00	2.66E+00	9.89E+02
Non-renewable primary resources used as an energy carrier [MJ]	1.79E+03	1.65E+03	9.01E+01	3.42E+01	3.56E+03
Non-renewable primary resources with energy content used as a material [MJ]	6.91E+01	0.00E+00	0.00E+00	0.00E+00	6.91E+01
Non-renewable primary resources, total [MJ]	1.86E+03	1.63E+03	9.01E+01	3.42E+01	3.61E+03
Recovered energy [MJ]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Net fresh water usage [kg]	4.53E+03	3.20E+03	1.59E+01	2.78E+01	7.78E+03

The chart below presents the relative contribution of each life cycle stage to the TRACI and IPCC environmental impact categories.



References

1. ISO 14044: 2006 Environmental Management – Life cycle assessment – Requirements and Guidelines.
2. ISO 14044: 2006/ Amd 1:2017 Environmental Management – Life cycle assessment – Requirements and Guidelines – Amendment 1.
3. ISO 14025:2006 Environmental labels and declarations – Type III environmental declarations – Principles and Procedures.
4. ISO 21930:2017 Sustainability in buildings and civil engineering works – Core rules for environmental product declarations of construction products and services.
5. IPCC, 2013: Climate Change 2013: The Physical Science Basis. Contribution of Working Group I to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change [Stocker, T.F., D. Qin, G.-K. Plattner, M. Tignor, S.K. Allen, J. Boschung, A. Nauels, Y. Xia, V. Bex and P.M. Midgley (eds.)]. Cambridge University Press, Cambridge, United Kingdom and New York, NY, USA, 1535 pp.
6. TRACI: The Tool for the Reduction and Assessment of Chemical and Other Environmental Impacts. Version 2.1 – User Guide - <https://nepis.epa.gov/Adobe/PDF/P100HN53.pdf>.
7. US EPA, 2020. Advancing Sustainable Materials Management: 2018 Fact Sheet. https://www.epa.gov/sites/default/files/2021-01/documents/2018_ff_fact_sheet_dec_2020_fnl_508.pdf
8. NSF International. BIFMA PCR for Tables: UNCPC 3812, valid through January 31, 2026