

ENVIRONMENTAL FOOTPRINT DECLARATION

HEMP BEAM 900

04.05.2026

Green Lanes S.A. conducted Life Cycle Assessment (LCA) to assess the environmental performance of its product with an assumption that production residues are combusted as biomass within the manufacturing facility,

This declaration was prepared in accordance with ISO 14021 standard for Environmental labels and declarations – Self-declared environmental claims, without third party verification.

The environmental footprint calculations were conducted following the guidelines of ISO 14040 and ISO 14044 framework using **EN15804+A2** impact assessment method.

The LCA model was created in openLCA 2.5.0 software using Ecoinvent 3.11 database and supplier specific emission factor for binder component.

Functional unit: **1 m³ of hemp beam 900.**

The results include the environmental loads from all the processes in the life cycle from **Cradle to factory Gate**, i.e. raw material production, transport to manufacturing location, energy & heat production and use, production waste.

LCA author: Bureau Veritas Polska Sp. z o.o. on behalf of Green Lanes S.A.

Environmental Footprint results (Cradle to Gate) for the functional unit

Impact category	Impact value	Unit
Global Warming Potential - biogenic (GWP-biogenic)	-1087,5533	kg CO2 eq
Global Warming Potential - fossil fuels (GWP-fossil)	406,9335	kg CO2 eq
Global Warming Potential - land use and land use change (GWP-luluc)	42,35012	kg CO2 eq
Global Warming Potential - total (GWP-total)	-638,5561	kg CO2 eq