Carbon Footprint Summary

OwnBio® Microbe Tablets
ISO 14067 life cycle assessment (LCA) –
cradle-to-grave carbon footprint per dose.

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Key result (functional unit)	Carbon footprint per OwnBio® tablet (1 dose): 1.03 g CO_2e (cradle-to-grave)
What the dose covers	1 tablet dissolved in up to 40 L of water (typical professional use dose – floor scrubber)
Standard	Assessed in accordance with ISO 14067, aligned with ISO 14040/14044 LCA framework.
Scope included	Raw materials & microbial cultivation, Manufacturing & packaging, Transport of materials, Use phase, End-of-life treatment.
Scope excluded (minor)	Final distribution to end customers (estimated <1% of total impact in the LCA).

Summary

OwnBio® microbial pellets have been assessed through an independent carbon footprint study using a cradle-to-grave Life Cycle Assessment. The result shows a very low climate impact per professional cleaning dose, supporting customers who need measurable CO_2 data for ESG reporting, tenders, or internal sustainability targets

Why the footprint is low (in practice)

- Minimal dosing: one pellet = one professional dose (up to 40 L).
- No energy demand during use phase (the dose is simply dissolved into water).
- Avoids aggressive chemical synthesis pathways typical in conventional detergents.

Packaging note

The study reports net biogenic carbon storage related to packaging: -0.99 g CO_2e per package. If you need the calculation approach and assumptions behind this figure, request the full LCA report.

Important clarification

OwnBio® is designed to support professional daily cleaning. It is not marketed as a disinfectant.

Still need more information?

Request the full ISO-compliant LCA report (method, assumptions, sensitivity analysis, and full inventory)

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