

PRODUCT CARBON FOOTPRINT REPORT

I. WE ARE COMMITTED TO CARING FOR THE ENVIRONMENT



Our commitment has always been to respect the environment through regulatory compliance, control, and prevention of operational impact, as well as the efficient use of resources. That is why, since 2011, we have committed to our clients to identify and quantify the impacts generated during the packaging manufacturing process, by measuring our carbon footprint.

Today, we have decided to address the future by creating packaging that cares for the lives of people and the planet. That is, packaging with high recycled content, low in carbon emissions and water consumption, and that does not generate waste that goes to landfills. Its manufacture is efficient in energy consumption and has a positive social impact.

These attributes are part of the challenge of our 2030 Sustainability Strategy, which we address with the following goals:



Climate Change

- Reduce the carbon footprint by 40%
- Carbon neutrality by 2050
- Reduce water consumption by 60%



Green Glass

- 10% reduction in the weight of packaging



Circular Economy

- Packaging with 50% recycled glass
- Zero Waste to landfill by 2025 in our production plants.



Culture of Purpose

- That Stakeholders perceive Cristalerías as a company that manages its business in an ethical, socially, and environmentally sustainable way.

EXECUTIVE SUMMARY PRODUCT CARBON FOOTPRINT 2023

At Cristalerías Chile, we make our glass containers the most sustainable packaging on the market. To this end, within the framework of our purpose "We create packaging that cares for life", we are implementing the 2030 Sustainability Strategy, strengthening the environmental attributes of our products.

For this reason, we calculate the Product Carbon Footprint, measuring the greenhouse gas (GHG) emissions generated throughout the life cycle of the glass container, from the production of raw materials until the product arrives at the warehouse ready to be shipped. This measurement allows us to obtain emission indicators in each production process, reporting the Carbon Footprint according to the requirements of our clients.

The calculation methodology follows the guidelines of the ISO 14.064 standard, considering emissions from the period between January 1 and December 31, 2023.

The processes defined and quantified under this evaluation method correspond to:

- Acquisition and production of raw materials.
- Acquisition of materials for packaging containers.
- Batch House, storage, and mixing station for raw materials.
- Furnaces, and equipment for the casting process.
- Forming, and production of containers for our clients.
- Workshops, and support areas necessary to produce containers.
- Packaging of containers.
- Internal transport of products ready to be shipped.
- Transport of broken glass between the Padre Hurtado and Llay Llay plants.



To calculate the carbon footprint, 1 kg of molten glass from the Ecoglass packaging line was defined as a functional unit, and the processes and consumption of the Padre Hurtado and Llay Llay plants were considered, resulting in a total of 0.59 kg CO₂e.

