



Providing Sterilization & Laboratory Services for the world's most innovative healthcare companies.

From the Blog

Sterilization CO₂ Impact Certificate

September 28th 2026

As medical devices and pharmaceutical products move into industrial production, sterilization becomes a recurring part of the manufacturing process. Alongside quality, capacity and turnaround time, manufacturers are increasingly looking for greater visibility into the environmental impact associated with their production activities.

For routine sterilization customers, Medistri provides an annual CO₂ Emissions Certificate based on the sterilization activities performed throughout the year. This provides manufacturers with documented data that can support environmental monitoring, sustainability reporting and internal objectives.

Why Monitor CO₂ Emissions From Sterilization?

Sterilization is an essential manufacturing step for many healthcare products. Once a product enters routine production, repeated sterilization cycles and increasing production volumes contribute to its overall environmental footprint. At the same time, manufacturers are increasingly requesting environmental data from the suppliers and service providers involved in their production processes.

Understanding the emissions associated with outsourced sterilization can support sustainability initiatives, environmental reporting, supplier assessments and corporate objectives related to monitoring and reducing CO₂ emissions.

When Is the CO₂ Emissions Certificate Provided?

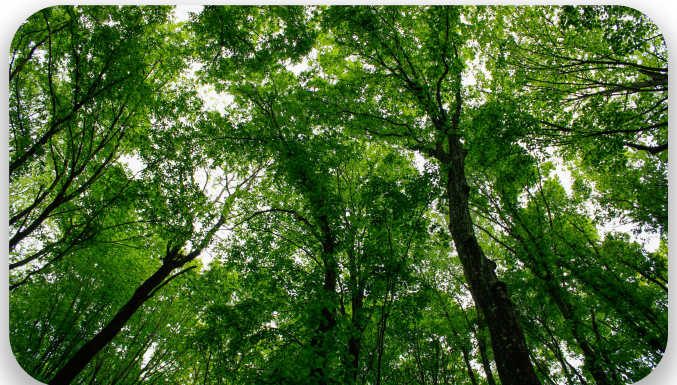
The CO₂ Emissions Certificate is issued annually, based on the customer's sterilization activities during the previous year.

Throughout the year, operational data related to routine sterilization activities is gathered. At the end of the reporting period, this information is consolidated to provide a customer-specific overview of the associated CO₂ emissions.

The certificate includes the total number of pallets sterilized during the year, the total calculated CO₂ emissions and the average CO₂ emissions per pallet.

CO₂ Emissions Reporting at Medistri

Medistri supports customers throughout the industrialization stage with routine sterilization services and the operational data required to maintain visibility over their processes.



Why Is Annual Reporting Important?

Annual reporting provides manufacturers with a consistent view of the environmental impact associated with their routine sterilization activities.

As production volumes evolve, the data can also help customers follow changes from one year to another and better understand the relationship between sterilization volumes and their associated emissions.

This provides a documented source of information that can be incorporated into broader environmental and sustainability reporting.

Supporting Environmental Monitoring During Industrialization

Environmental monitoring becomes increasingly relevant as products transition from development and validation into routine industrial production.

At this stage, manufacturers are no longer evaluating individual development or validation activities alone. Products are being processed repeatedly throughout the year, making it possible to assess environmental impact based on actual routine sterilization activity.

By providing annual CO₂ emissions data, Medistri helps customers maintain greater visibility over this part of their production process and integrate outsourced sterilization into their broader environmental monitoring.



Providing Sterilization & Laboratory Services
for the world's most innovative healthcare
companies.

From the Blog

Sterilization CO₂ Impact Certificate

September 28th 2026

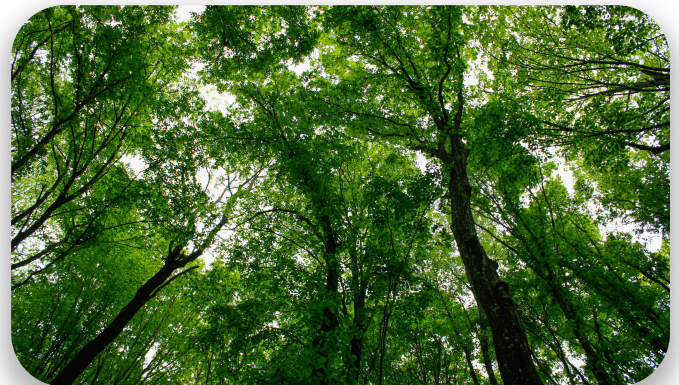
Annual CO₂ Emissions Certificates provide customers with documented information based on their sterilization activities during the reporting year, supporting environmental monitoring and sustainability reporting as production continues to scale.

Through its sterilization infrastructure in Switzerland and Hungary, Medistri continues to invest in solutions that combine industrial capacity, process reliability and environmental responsibility.

To learn more about Medistri's Sterilization CO₂ Impact Certificate, visit our website [here](#) or contact us at contact@medistri.com.

— The Medistri Team

#Medistri



Scope of the Statement

This certificate confirms the calculated CO₂ emissions associated with the sterilization of customer pallets processed by Medistri during the year 2025. The calculation covers:

- (1) Sterilization operations (EO/Steam, as applicable)
- (2) Energy consumption linked to sterilization processes and
- (3) Supporting internal logistics directly related to pallet processing (if applicable).

Excluded from scope: upstream manufacturing of products, external transport outside Medistri facilities, and downstream distribution.

Methodology & Reference Framework

The CO₂ calculation has been performed using:

- (1) Internal operational data (energy, process parameters, pallet volumes)
- (2) Recognized emission factors and
- (3) A calculation approach aligned with ISO 14064 principles (Greenhouse Gas Accounting) and Best practices for Scope 1 & Scope 2 emissions.

The CO₂ emission factor per pallet is based on Medistri's 2024 organizational carbon footprint and allocated to 2025 pallet volumes using an average allocation methodology.