



Recyclima
By Carbon Expert

CERTIFICATE

OF SAVING

26.19 tCO₂e emissions

Proudly presented to

Orhideea SPA

for the take-back from the market of the
following packaging waste and their recycling in
2024

This certificate signifies a direct and quantifiable positive impact on your efforts to mitigate climate change. The CO₂ measurement was carried out using the Ecoinvent v3.11 emission factors database .

Congratulations

*to actively contribute to a more sustainable
future and circular economy!*

Casiana Fometescu
CEO

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The calculation method was developed by Carbon Expert through Recyclima.com taking into account the amount of packaging waste taken from the market by Orhideea SPA and recycled in the year 2024.

For each type of packaging waste, emission factors specific to Europe are used, unless more specific emission factors for the geographical area where the certified company is located are available in the Ecoinvent v3.11 database.

The primary material production activity for the production of each type of packaging material and its correspondence within the recycling activity was taken into account.

Packaging material type	Quantity (tons)	Emission factor used for primary (virgin) material Ecoinvent (EFv3.1, GWP100years - IPCC2021) kg CO ₂ e/kg	Emission factor used for secondary (recycled) material Ecoinvent (EFv3.1, GWP100years - IPCC2021) or manufacturer specific kg CO ₂ e/kg	Geographical area applicable to the emission factor	Saved emissions through recycling (tCO ₂ e/year)
Recycled PET	54.000	2.150	0.420	Romania	11.340
Glass cullet	35.000	0.860	0.310	Romania	6.300
Cardboard	27.000	1.050	0.480	Romania	4.320
Aluminum	12.400	8.240	0.550	Romania	4.340

Source: Ecoinvent version 3.11, data for assessment used

The Ecoinvent database is a Life Cycle Inventory (LCI) database that supports various types of sustainability assessments. It contains more than 18.000 reliable life cycle inventory datasets, covering a range of sectors. These include agriculture and animal husbandry, building and construction, chemicals and plastics, energy, forestry and wood, metals, textiles, transport, touristic accommodation, waste treatments and recycling, and water supply, among other industrial sectors.

Each activity in the Ecoinvent database is attributed a geographic location. As the Ecoinvent is a background database, the aim is to cover activities in the most relevant geographies for the selected product or service.