

# Verallia S.A. Spain glass industry

## Key information



Several environmental actions and measurements undertaken by the company

**Company:** Verallia Iberia

**Located:** Zaragoza, Spain

**Products:** Glass packaging

for beverages & food products

**Target:** Reduce CO<sub>2</sub> emiss. by 46% in 2030 (Scopes 1 & 2)

The circular economy is mainly addressed by Verallia's strategy since glass is one of the most sustainable materials

## Decarbonisation Actions

Verallia is investing to transform the technologies, resources and industrial equipment used on its sites, aiming to reduce their CO<sub>2</sub> emissions by 46% in 2030 (Scopes 1 and 2). In 2021, Verallia also decided to commit to a Scope 3 CO<sub>2</sub> emissions reduction target, to be achieved in collaboration with their suppliers.

### Scopes 1 & 2 Actions

**Action #1: Optimise the energy consumption of Verallia's industrial facilities**  
Reduction of emissions from melting by reducing fuel oil consumption ; Improvement of existing industrial facilities; Elimination of all energy losses / Use of a flue gas heat

**Action #2: Develop and invest in low-carbon furnaces**

**Action #3: Develop renewable or decarbonised energy**

Towards "greener" electricity; Electricity generation on their sites; Preparing for the use of green hydrogen; Biofuel co-firing implementation in furnaces

### Scopes 3 Actions

**Action #1: Control the supply chains and reduce CO<sub>2</sub> emissions**  
Rapeseed-powered transport

## Sustainability Actions

Action	Description of action	Proposed goals	SDGs
<b>Strengthening the circularity of glass packaging</b>	Glass is one of the most sustainable materials. The circular economy focuses 3 areas: -Increasing glass collection -Optimising cullet use -Developing the reuse of its packaging	Verallia will pursue the following goals between now and 2025: -Increase the glass packaging European collection rate of 90% in 2030. -Increase the use of external cullet in their worldwide production processes to reach 59% by 2025. -Trial at least one bottle reuse pilot project in France.	12 PRODUCTION RESPONSIBLES 13 CLIMATE ACTION 17 PARTNERSHIPS FOR THE GOALS
<b>Significantly reducing the CO<sub>2</sub> emissions of Verallia's operations</b>	Verallia's bottle and jar production process entails substantial energy consumption and CO <sub>2</sub> emissions.  Main impacts are found in furnaces energy efficiency and recycled cullet use	Verallia aims to reduce its CO <sub>2</sub> emissions (Scopes 1 and 2) by 46% from 2019 to 2025 With regard to its products, Verallia aims to achieve a 3% reduction in the weight of our non-returnable standard bottles and jars by 2025.	13 CLIMATE ACTION 17 PARTNERSHIPS FOR THE GOALS 15 LIFE ON LAND

The future...

Considering an average consumption of 2000 t/month and a substitution percentage with biofuel of around 10%, would lead to a **CO<sub>2</sub> emission saving of 395.6 t CO<sub>2</sub>/month.\***

\* The CO<sub>2</sub> emission reduction calculation with the partial use of biofuel in the mixed combustion system is performed considering the emission factors and methodology included in Annex I of the Spanish Royal Decree 1597/2011, Part C, point 4 and point 20, and the consumption & production data provided by Verallia Spain, S.A. and the suppliers of biofuel.

