



carbon reduction project



Good design can change things for the better

Why 24Bottles?

Often, companies underestimate how much **greenhouse gas emissions** are produced simply by **their employees drinking water**. **24Bottles** offers a quality **solution** to **minimise** the **corporate carbon footprint** by addressing and considering employees' daily hydration habits.

24Bottles

24Bottles® is the Italian design brand born in 2013 to reduce the impact of disposable plastic bottles on the planet and our lives. Our stainless steel alternative is eco-friendly and encompasses all aspects of quality, functionality and design.

How?

- Reduce your carbon footprint
- Adopt an eco-friendly solution
- Support your CSR initiatives
- Italian-designed, useful gift



SAFE AND CERTIFIED QUALITY MATERIALS

Our materials are MOCA certified, in accordance with the European Regulation 2023/2006 Good

Manufacturing Practice

- 18/8, food-grade, Austenitic **Stainless Steel** AISI type 304
- 100% BPA free, Phthalate free **Polypropylene no. 5**
- food-grade **Silicone**

CARBON FOOTPRINT: YOUR ESTIMATED ANNUAL REDUCTION

By using 24Bottles

Ecomec

can save

1.360 Kg CO₂

per year.

See calculation at page 4



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Our impact is measured by TÜV Rheinland and the emission reduction projects we support are independently evaluated by VCS and Gold Standard.

CO₂ Reduction

Example

- Number of employees: **40**
- Working days/year: **250**
- Employee water consumption/daily: **0,85 L**

CO₂ Reduction / year

40 ×

250 ×


0,136 Kg CO₂ eq* =


1.360 Kg CO₂ eq/year

*According to a study on greenhouse gas emissions, the production of an average, single disposable plastic 500ml bottle creates at least 80 grams of CO₂ (0,08 Kg CO₂ eq). Gleick PH, Cooley HS (2009) Energy implications of bottled water. Environ Res Lett4(1):014009.

Carbon Assessment




 RAW MATERIAL AND PRODUCTION
+0,625 Kg CO₂

 PACKAGING
+1,089 Kg CO₂

 TRANSPORT
+0,045 Kg CO₂

+1,76 Kg CO₂




 RAW MATERIAL AND PRODUCTION
+1,525 Kg CO₂


 PACKAGING
+2,082 Kg CO₂


 TRANSPORT
+0,092 Kg CO₂

+3,70 Kg CO₂



 RAW MATERIAL AND PRODUCTION
+1,162 Kg CO₂

 PACKAGING
+2,183 Kg CO₂

 TRANSPORT
+0,079 Kg CO₂

+3,42 Kg CO₂

Methodological notes:

This assessment has been performed and certified by TÜV Rheinland for 24Bottles SB Srl. 24Bottles' products have been tested and verified in meeting the international standards ISO 14067:2018 for greenhouse gases and carbon footprint from cradle to gate.



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We measure our impact
and make it **zero**.

We support natural climate solutions, health and livelihood and sustainable infrastructures projects. We also plant new trees in our forests.

Our main goal is to create a better future for the next generations.
Every day, we're building it. Today, for tomorrow.

start with a bottle

