

# Summary of Climate Calculation for the Year 2023



2024-08

# Summary

This is Aurena Laboratories AB second calculation of its fossil climate impact. The calculations are based on fossil carbon dioxide equivalents (CO<sub>2</sub>e) according to the GHG Protocol – Corporate Standard. The reliability of the included scope calculations is considered Good (with 50% rated in class 1 and 48% in classes 2A and 2B. For more details, see the chapter on Reliability Analysis.

## Results

In 2023, the entire operation contributed 4,885 tons of CO<sub>2</sub>e. Of the three main scopes, Scope 3 is the largest impact group (99.7%). The most dominant source of impact is Scope 3.1, the procurement of materials, with 3,778 tons of CO<sub>2</sub>e (78%), of which aluminum cans account for 2,247 tons of CO<sub>2</sub>e (59%, and 46% of the total).

When we calculate the carbon footprint of our products, we have categorised them into water-based products and chemical products. A chemical product has a carbon footprint of 596g, while a water-based product (such as a seawater/saline nasal spray) has a footprint of 421g CO<sub>2</sub>e.

There has been no significant reduction in emissions compared to previous years, mainly because these calculations were done recently, and various measures have not yet had time to take effect.

SCOPE	2023 ton CO <sub>2</sub> e	2022 ton CO <sub>2</sub> e
Scope 1	3	3
Scope 2	9	11
Scope 3	4 873	5 078
Total	4 885	5 092

Table 1: GHG-emission per scope.

GENERELLA NYCKELTAL	2023 CO <sub>2</sub> e	2022 CO <sub>2</sub> e
Chemical products(ton)	1 648	1 500
Waterbased products (ton)	3 237	3 592
Per chemical product (kg)	0,596	0,659
Per waterbased product (kg)	0,421	0,470

Table 2: General key figures such as kg CO<sub>2</sub>e per key indicator.

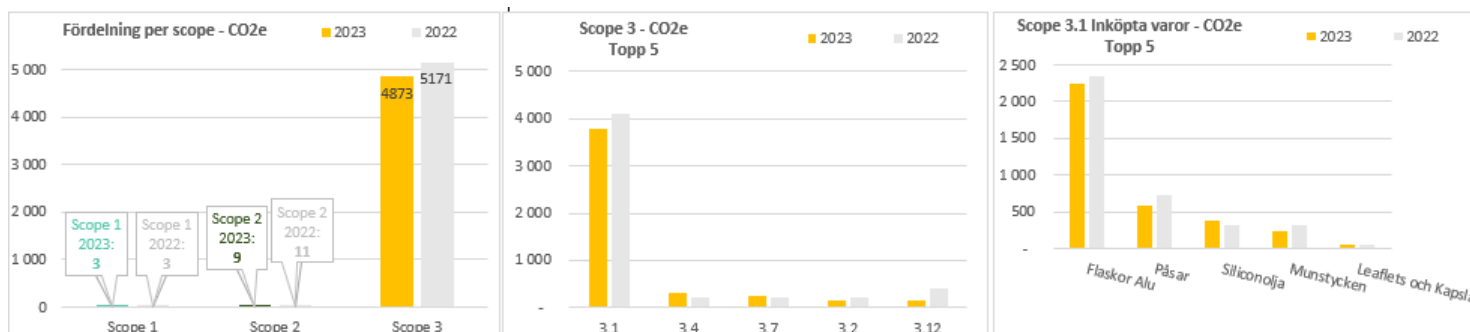


Figure 1: CO<sub>2</sub>e Distributions.

The 2023 calculation highlights the potential in replacing the current aluminium cans with those made from a material with a lower climate impact. By changing the material in the cans, along with other measures, there is a theoretical potential to reduce emissions by at least 61% (approximately 3,000 tons of CO<sub>2</sub>e).

SCOPE	ACTIVITY	2023 ton CO <sub>2</sub> e	Saving measure ton CO <sub>2</sub> e	Potential reduction percentage (%)
Scope 1	Diesel	3	2,6	85%
Scope 2	Purchased electricity consumption	9	3	33%
Scope 3	Switching materials in bottles and bags	2 848	2 563	90%
Scope 3	Upstream transportation	318	270	85%
Scope 3	Employee travel to work	239	203	85%
Totalt		3 417	3 042	

Table 3: Shows the impact from selected activities and the potential reduction in emissions that can be achieved through mitigation measures.