

Mid-to Long-Term Environmental Targets and Results

Target Items	2025 Targets	2030 Targets	Results and Evaluation			
			2021 Achievement	2022 Achievement	2022 Evaluation	2022 Summary and Next Steps
Plastics for containers and packaging: Increase ratio of plant-based/recycled plastics used ^{*1*2}	25%	50%	5%	6%	△	We have expanded the use of recycled plastic for packaging materials used for toothbrushes and interdental brushes. In July 2023, we began using plant-based plastics for 13 mouthwash bottles which accounted for the most plastic used in Sunstar's containers and packaging materials, and we expect to make significant progress in the future. Going forward, we will further expand the variety of items using plant-based plastics and reduce our use of petroleum-based virgin plastic.
Post-consumer packages and containers: Increase ratio of recyclable or reusable material used ^{*1*2*3}	55%	100%	73%	68%	◎	We have achieved excellent results regarding metal cans for adhesives and sealants. On the other hand, many containers used for Consumer Business are made of composite materials to ensure quality and safety. Going forward, we will focus on developing containers that are easy to separate out at the time of disposal, while ensuring quality.
Paper for containers and packaging: Increase ratio of FSC®-certified or other certified paper used ^{*1*4*5}	100%	100%	53%	70%	◎	We are progressively switching to FSC®-certified paper for the paper used for packing box and toothbrush package backing, etc. We will continue to actively adopt FSC®-certified paper.
Palm oil for products: Increase ratio of RSPO-certified or other certified sustainable palm oil ^{*6*7}	50%	100%	9%	14%	○	In 2021, we joined the RSPO and began purchasing RSPO-certified palm oil for the palm oil used in glycerin, a raw material in mouthwash. We will continue to progressively switch to sustainable palm oil with environmental and human rights consideration.
Electricity used in own plants and offices: Increase ratio of renewable (CO ₂ -free) electricity ^{*8}	65%	100%	26%	27%	◎	Following the German plant for oral care products and our Swiss Headquarters operating on 100% renewable electricity, in 2021, we switched to renewable electricity for about 70% of the electricity used at our main plants and offices in Japan. Despite the challenging situation for electricity procurement, we are maintaining this level. We have installed solar panels for oral care product plants in Germany and Yamanashi, Japan. We will increase to adopt renewable electricity and install solar panels in each region.
Water used in own plants: Reduction of water consumption per production volume (per kg) ^{*9*10}	-10%	-20%	1%	9%	×	While we have made steady progress in reducing water consumption by refining production and cleaning processes, water consumption is increasing due to various factors. We are working to identify leaks and clarify actual water consumption by gradually increasing the number of flow meters installed along each water route, and we will continue to optimize and reduce water use.
CO ₂ emissions from own plants: Reduction of total emission (Scope 1+2) ^{*9*11}	-50%	-85%	-22%	-21%	◎	Switching to renewable electricity in Europe and Japan has contributed significantly to CO ₂ emission reductions. Solar panels are being installed and lighting is being converted to LEDs. However, electricity consumption is increasing due to the increased use of air conditioning caused by rising temperatures. We will continue to adopt renewable electricity and solar panels and promote energy-saving efforts at each of our business sites.

* Scope of data: data for production at the Group's 15 global plants are integrated excluding U.S. sites in the Consumer Business and Tsubamex in the Industrial Business.

Consumer Business = Oral care products, cosmetics, health foods, and other consumer product-related businesses

Industrial Business = Adhesives and sealants for automobiles, construction and electronics, and metal parts for motorcycles and automobiles

* Evaluation criteria: ◎=Exceeds plan, ○=Progress almost as planned, △=Missed plan but making progress, ×=Worse than current status

*1 Includes European procurement for consumer business

*2 Product containers and primary packaging materials (excluding subcontracted products for Japanese consumer goods and industrial goods)

*3 Recyclable or reusable material = Easily separable by material after product use

*4 Primary packaging materials (Excluding materials procured by subcontractors for Japanese consumer goods and industrial goods)

*5 FSC® (Forest Stewardship Council®)

*6 RSPO (Roundtable on Sustainable Palm Oil) Our RSPO Membership Progress- <https://rspo.org/members/12085>

*7 In-house procurement, mass-balance products *8 Consumer Business includes production sites in the U.S. and own offices in Japan, the Americas, and Europe

*9 Base year: 2020 for the Consumer Business, 2019 for the Industrial Business (because 2020 was a year of significant production cuts for the client companies)

*10 Excludes groundwater from the Yamanashi Plant, the Industrial Business *11 Includes U.S. sites in the Consumer Business