Mid-to Long-Term Environmental Targets and Results

Target Items	2025 Targets	2030 Targets	Results and Evaluation						
			2021 Achievement	2022 Achievement	2023 Achievement	2024 Achievement	2025 Achievement	2025 Evaluation	2025 Summary and Next Steps
Plastics for containers and packaging: Increase ratio of plant-based/recycled plastics used*1*2	25%	50%	5%	6%	14%	27%	28%	◎	We are expanding the use of recycled plastic in packaging materials for toothbrushes and interdental brushes, as well as plant-based plastic in mouthwash bottles. We continue to increase the adoption rate of these materials.
Post-consumer packages and containers: Increase ratio of recyclable or reusable material used*1*2*3	55%	100%	73%	68%	75%	74%	71%	◎	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 continue to focus on developing containers that are easy to sort by material 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	100%	100%	53%	70%	71%	81%	89%	△	We are gradually switching to forest-certified paper for the product boxes and the cardboard backing used in toothbrush and interdental brush packaging. In 2025, we expanded adoption in Europe. We will continue to expand its use in outsourced products.
Palm oil for products: Increase ratio of RSPO-certified or other certified sustainable palm oil*6*7	50%	100%	9%	14%	25%	40%	51%	◎	We are expanding the use of RSPO-certified palm oil as a raw material for glycerin contained in our mouthwash. We will expand its use to other product categories as well.
Electricity used in own plants and offices: Increase ratio of renewable (CO_2-free) electricity*8	65%	100%	26%	27%	24%	24%	68%	◎	In Europe, we use nearly 100% renewable electricity. Solar panels are in operation at our factories in Germany, Japan, and Singapore. We achieved our 2025 target by advancing the procurement of renewable electricity in Japan, Asia, and the Americas.
Water used in own plants: Reduction of water consumption per production volume (per kg)*9*10	-10%	-20%	1%	9%	-23%	-12%	-26%	◎	Despite fluctuations due to business and regional conditions, we are steadily improving water use efficiency through process improvements. We continue to strive for the effective use of water resources.
CO_2 emissions from own plants: Reduction of total emission (Scope 1+2)*8*9	-50%	-85%	-22%	-21%	-13%	-17%	-59%	◎	At the Sunstar Group, 80% of the energy used at our business sites comes from electricity. We achieved our CO_2 emission reduction target for 2025 by increasing the ratio of renewable electricity, introducing energy-saving equipment, and operating factory equipment efficiently.

＊Scope of data: data at the group global own plants are integrated. Electricity and CO_2 are counted for the US Oral care plant and electricity, water and CO_2 are counted for TSUBAMEX CO.,LTD.
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 excludes TOYOPOLYMER CO., LTD.
＊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®) | FSC-N003962 | More about FSC: www.fsc.org
＊6 RSPO (Roundtable on Sustainable Palm Oil) Our RSPO Membership Progress- https://rspo.org/members/12085
＊7 In-house procurement, mass-balance products ＊8 Including US oral care plants and Scope2 of own offices in Japan, 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