

Santen Introduces Eco-Friendly Biomass Plastic Eyedrop Bottles

April 27, 2020 - Santen Pharmaceutical Co., Ltd. (Headquarters: Osaka City, hereinafter, "Santen"), announced today, the introduction of eyedrop bottles made from environmentally-friendly biomass plastic materials.

Biomass plastic refers to plastics produced through chemical or biological synthesis from renewable biomass materials. Since incineration of biomass plastics releases only the carbon derived from the carbon dioxide absorbed through photosynthesis by the plants that make up the contributing biomass, even incinerating such plastics does not lead to an overall increase in carbon dioxide in the atmosphere (a carbon neutral process). The use of these sustainable resources also plays a role in preventing the exhaustion of fossil fuels.

At Santen, we are aiming to contribute towards the creation of a low carbon emission recycling-based society. As such, we employ environmental management systems, working to reduce carbon dioxide emissions, waste production and water usage. We decided to introduce biomass plastic as part of these efforts to minimize our environmental footprint. We plan to begin by introducing these new materials for the Timoptol, an ophthalmic solution for treating glaucoma and ocular hypertension, before expanding the same program to include other products.

In order to address various social issues including global warming, the Ministry of the Environment included in an action plan drawn up in 2016 a target of increasing annual usage of biomass plastic to 1.97 million tons by 2030, a move that would reduce carbon dioxide emissions by 2.09 million tons¹. We at Santen not only intend to contribute to the Ministry's emissions reduction target through the introduction of this new biomass plastic program, we are also committed, through our operations in all countries and regions, to the sustainable protection of the global environment through the promotion of action to protect local environments, prevent global warming, make effective use of resources, and protect biodiversity.

Source1. Global warming countermeasures action plan

<https://www.env.go.jp/earth/ondanka/keikaku/onntaikeikaku-zentaiban.pdf> p.154

About Santen's Environmental Protection Activities

Santen Pharmaceutical aims to address various environmental issues by building and operating in environmental protection and management systems consistent with the company's business activities. Santen is committed to combating climate change through the reduction of greenhouse gas emissions and minimizing the burden on the environment through the reduction of volumes of waste, the protection of water resources, and the appropriate use of chemical products.

About Santen CSR Activities

Santen Pharmaceutical Group's CSR activity center around contributing to the community through the

company's business activities. As a specialty company focused on protecting the visual health of people around the world through ophthalmological treatments, we work to develop products that address unmet medical needs, while also providing products, services and information that meet the needs of each country and region. Our position as a company specialized in the field of ophthalmology also allows us to make various other contributions such as support for the wider availability and advancement of ophthalmological treatments in countries around the world, including emerging nations, improved access to pharmaceutical treatments and the development of orphan drug, and the provision of pharmaceuticals at low cost to patients who would otherwise be unable to access such products for financial reasons. In addition, we pursue our business activities with a strong sense of ethics, adhering to laws, regulations and international codes of conduct, fulfilling our social responsibility by working together with our business partners to address issues relating to fairness, human rights, labor practices and occupational safety, the environment, the requirements of a good corporate citizen, and stakeholder engagement.

About Santen

As a specialized company dedicated to ophthalmology, Santen carries out research, development, marketing, and sales of pharmaceuticals, over-the-counter products, and medical devices. Santen is the market leader for prescription ophthalmic pharmaceuticals in Japan and its products now reach patients in over 60 countries. With scientific knowledge and organizational capabilities nurtured over a nearly 130-year history, Santen provides products and services to contribute to the well-being of patients, their loved ones and consequently to society. For more information, please visit Santen's website (www.santen.com).

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