



Designed like nature.

The most sophisticated design and astounding beauty is found in nature. When we learn from nature, we uncover elegance and purpose. Nature knows how to sustain, how to renew, from one season to the next. Always in continuous cycles, always adapting, with resources in harmony.

> We create materials designed like nature, because nature knows best.





The Plastic Waste Problem

Over 300 million tons of plastic is produced every year. A lot of that plastic is necessary to make useful things that last. But all too often, the plastic we use ends up in the wrong place. That plastic degrades into smaller and smaller pieces of microplastics, which threaten ecosystems and human health – and are almost impossible to clean up. To turn the tide of the plastic crisis, we need to reduce plastic consumption, enhance recycling, reuse more and replace plastic with new sustainable materials.

"The scale of change needed means no player or group can succeed on their own, instead, we have to take an interdisciplinary approach and work together across industries and sectors to reach a more sustainable future."

Suvi Haimi, Co-founder & CEO

Accelerating the Plastic Waste-Free Future

Together with our customers and partners, governments and other stakeholders we fight against one of the most pressing environmental issues of our time – plastic waste – and support the transition towards a circular economy.



Sulapac helps brands and converters worldwide to replace conventional plastic with a sustainable alternative that doesn't compromise functionality or aesthetics.



Sustainable materials that are beautiful and functional. Like nature.

The Sulapac[®] Material Portfolio

Sulapac[®] materials can be used with existing plastic converting machinery, enabling a practical and resource-efficient transition towards a cleaner future.



Sulapac[®] Universal Injection molding material family with simple setup. Available in different grades, from rigid to flex.



Sulapac® Premium Injection molding material family with a luxurious feel. Available in different grades, from rigid to flex.



Sulapac® Flow Revolutionary extrusion material for e.g. straws and tubes.

Sulapac® granules (\mathbf{S})

To get a quote, go to www.sulapac.com/purchase







Products to wow your customers.

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Ready-made Products

Ready-made Sulapac[®] products are designed to meet the requirements of the most demanding customer segments.

Sulapac[®] Products Single-use products available for brands and consumers.



Sulapac® Straw Eco-friendly straw with outstanding usability developed in collaboration with Stora Enso.



Products from Partners Customized for your brand's specific needs, delivered by our industry leading partners.



Sulapac[®] Jars for Foodstuff by **nissha** Ideal for dry foods and supplements.



Sulapac® Nordic Collection by CC QUADPACK Premium packaging for cosmetics and jewelry.

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Material Features

Sulapac[®] is a patented material innovation for the circular economy. Every step of the value chain, from raw material sourcing to end-of-life, is carefully considered from the sustainability point of view.

Functional



Outstanding usability

Suitable for various applications, including luxury packaging and food contact products¹.



Mass-producible Processable with existing plastic product machinery.



Sustainable

Designed to reduce plastic pollution

Bio-based

The bio-based

content² in each

recipe is maximized.

Sulapac[®] can be digested by naturally occuring microorganisms. It doesn't leave permanent microplastics behind³.



Industrially compostable

Recyclable via industrial composting⁴. Check local recycling instructions.

Safe for people and the planet

The material is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.⁶ Food contact approved.1

Sustainably sourced

as much as possible.

Made of responsibly sourced

use feedstock from industrial

and agricultural side streams

sustainable raw materials⁵. We



Low carbon footprint⁷

Based on eco-design. climate conscious raw materials and manufacturing.

- 5. Our wood originates from certified forests. We always follow our strict Policy for Sustainable Sourcing.
 - 6. Ecotoxicity and threshold values for heavy metals tested according to EN13432.
- 7. 0,7 kg CO₂ eq/kg for Sulapac Universal compared to 1,7 for polypropylene (Cradle-to-gate LCA screening performed by an independent third-party consultancy.)



Premium quality Advanced technical support and quality assurance to ensure a premium outcome.

Beautiful



Unique look and feel

Natural appearance based on a unique combination of raw materials.

- 1. All raw materials are EU food contact approved.
- 2. USDA Biobased certification in progress
- 3. Biodegradation of 48%-59% in 280 days in the marine environment (30 °C)(ASTM D6691). Tested according to ASTM 5511 (37 °C) accelerated biodegradation in the landfill: 68% relative biodegradation in 160 days reached for Sulapac Universal. Scientific literature review available at sulapac.com/key-features
- 4. The compostability has been tested according to EN 13432.



A Pioneer in Sustainable Materials Replacing Plastic

Sulapac was founded in 2016 by two biochemists, Dr Suvi Haimi and Dr Laura Tirkkonen-Rajasalo, who were determined to find a solution for the ever-growing amounts of plastic waste that fill our lives and seas. Utilizing their expertise in medical biomaterials, Suvi and Laura came up with a ground-breaking material innovation – Sulapac[®] – that would provide a sustainable yet practical alternative to conventional plastic in a variety of products. Today, Sulapac[®] has been adopted worldwide by brands in various sectors, and it has received numerous international acknowledgements: Sulapac[®] is a bio-based composite material, that is designed to reduce plastic pollution. It biodegrades also in open environments and anaerobic conditions into water, CO₂ and biomass, without leaving permanent microplastics behind*.

Our recipes are based on scientific research, decades of experience and intensive development work. The criteria for each of our key features, as well as validation methods, are openly disclosed at sulapac.com/key-features.



*Biodegradation of 48%-59% in 280 days in the marine environment (30 °C)(ASTM D6691). Relative biodegradation of 68% in 160 days reached for Sulapac Universal in ASTM 5511 test (accelerated biodegradation in the landfill, 37 °C). Scientific literature review available at sulapac.com/key-features.

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WIRED

One of the 100 Hottest Startups in Europe 2018 & 2019



The Best Impact Startup Award 2019







GREEN ALLEY AWARD





25

Endless Possibilities

Sulapac[®] materials are developed to replace conventional plastic in a variety of applications.





Single-Use Products



Food Packaging



Luxury Packaging



Hygiene Products

Find more examples of products made of or packed in Sulapac[®] and explore brands that have already joined our mission to save the world from plastic waste at www.sulapac.com/find-products

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Cosmetics



Short-Life Storage

Start Manufacturing with Sulapac[®]

From selecting the right recipe, to optimizing production processes right up to the launch of your product, our team is there to help you succeed.



tests and potential feedback from end-users. Sulapac's sustainability and technical expertise available whenever needed.



Confirming the order volume, delivery schedule and terms.



Material will be delivered to the production facility within 1–3 months, depending on the order volume.



Selecting the optimal material recipe based on your brand's needs and application requirements.



2

Testing the selected material(s) on the converter's production line. Easy setup ensured by clear technical instructions and Sulapac's expert support.

Go-To-Market Support

Take advantage of Sulapac's brand, assets, and sustainability expertise for a successful market entry. Comprehensive partners' kit to support communications. Sulapac's sustainability and technical expertise available whenever needed.

6 Production

To ensure the best possible outcome, Sulapac's technical team is happy to support throughout the production phase, if needed.





Join our mission to save the world from plastic waste:

sulapac.com

