

Luminy® PLA sustainable under EU Taxonomy Regulation

GORINCHEM, Netherlands, 5th June 2023 – TotalEnergies Corbion has announced that its Luminy® Polylactic Acid (PLA) bioplastics successfully meet the stringent criteria of the European Union (EU) Taxonomy Regulation on climate change mitigation and adaptation. The assessment can be found in the newly launched whitepaper titled "[Planting the Future with PLA](#)," which details the regulation and delves into more sustainability aspects of biobased materials. The achievement underscores the company's pivotal role in the global sustainable economy.

The EU Taxonomy Regulation is critical for sustainable innovation because it sets a standard for what can be labeled as 'sustainable' in business in the European Union. The framework uses six environmental objectives: climate change mitigation, climate change adaptation, sustainable use and protection of water and marine resources, transition to a circular economy, pollution prevention and control, and protection and restoration of biodiversity and ecosystems. The intent of the regulation is to help increase sustainable investment and further drive the implementation of the European Green Deal.

"TotalEnergies Corbion continues to work closely with lawmakers, regulators, and non-governmental organizations as we push to create more sustainable plastic alternatives," said Maelenn Ravard, the company's Sustainability and Regulatory Manager. She added: "In addition to compliance with the EU Taxonomy Regulation, our entire line of Luminy® PLA is certified 100% biobased according to EN16785 and the USDA biopreferred program. What's more, our production plant is ISO certified for environmental management, quality, and safety and we follow the regulations set by the World Wildlife Fund's sugarcane industry organization Bonsucro. We are proud to set this standard for the bioplastics industry moving forward."

Luminy® PLA bioplastics are derived from sugarcane, an annually renewable resource, and are among the few types of bioplastics that are both biobased and biodegradable. As outlined in the "Planting the Future with PLA," whitepaper, creating a kilogram of PLA requires 1.75m² of sugarcane farmland which captures 1.8kg of CO₂ from the atmosphere as it grows. TotalEnergies Corbion's entire production capacity requires just 0.08% of arable land in Thailand, where the company produces PLA locally. Simply put, the efficiency of land use combined with the benefits of carbon capture make PLA bioplastics a great option for reducing our global reliance on fossil-based plastics.

TotalEnergies Corbion's Luminy® PLA bioplastics enable businesses all over the world to transition to more sustainable materials without compromising on quality or performance. They provide a viable alternative to conventional plastics, aligning with the EU Taxonomy Regulation's objectives and supporting the global shift towards a more sustainable future.

The white paper titled [Planting the Future with PLA](#) can be downloaded using the following link:
<https://www.totalenergies-corbion.com/about-pla/biobased/>



Biobased PLA resin is used for a broad range of applications

Luminy® PLA is certified 100% biobased (EN16785) and USDA BiopREFERRED



Image from the infographic **Plant the future with PLA - A 100% biobased plastic**

END PRESS RELEASE

For more information please contact:

Rui Veras

Marketing Communications Manager

M +31 629 055 522

E rui.veras@totalenergies-corbion.com

François de Bie

Vice President Global Marketing

M +31 611 716 895

E francois.debie@totalenergies-corbion.com

TotalEnergies Corbion

Stadhuisplein 70 • 4203 NS • Gorinchem • P.O. Box 2025 • 4200 BA • Gorinchem • The Netherlands

T +31 183 695 695 • F +31 183 695 602 • E pla@totalenergies-corbion.com



Corbion

About TotalEnergies Corbion

TotalEnergies Corbion is a global technology leader in Poly Lactic Acid (PLA) and lactide monomers. PLA is a biobased and biodegradable polymer made from annually renewable resources, offering a reduced carbon footprint versus traditional plastics. The Luminy® PLA portfolio, which includes both high heat and standard PLA grades, is an innovative material that is used in a wide range of markets from packaging to consumer goods, fibers and automotive. TotalEnergies Corbion, headquartered in the Netherlands, operates a 75,000 tons per year PLA production facility in Rayong, Thailand and has recently announced the intention to build a second plant in Grandpuits, France. The company is a 50/50 joint venture between TotalEnergies and Corbion. www.totalenergies-corbion.com

About TotalEnergies

TotalEnergies is a global multi-energy company that produces and markets energies on a global scale: oil and biofuels, natural gas and green gases, renewables and electricity. Our 105,000 employees are committed to energy that is ever more affordable, cleaner, more reliable and accessible to as many people as possible. Active in more than 130 countries, TotalEnergies puts sustainable development in all its dimensions at the heart of its projects and operations to contribute to the well-being of people. www.totalenergies.com

About Corbion

Corbion is a sustainable ingredients company dedicated to preserving what matters, including food and food production, health, and the planet. We specialize in lactic acid, lactic acid derivatives, food preservation solutions, functional blends, and algae ingredients, using our deep application and product knowledge to propel nature's ingenuity through science. With more than a century of experience, we continue working side-by-side with our customers to make our cutting-edge technologies work for them. Leveraging our advanced capabilities in fermentation and preservation technology, we help customers differentiate their products in diverse markets ranging from food and animal nutrition to home & personal care, pharmaceuticals, electronics, medical devices, and bioplastics. In 2022, Corbion generated annual sales of €1,457.9 million with a workforce of 2,601 FTEs. Corbion is listed on Euronext Amsterdam. For more information: www.corbion.com

TotalEnergies Corbion

Stadhuisplein 70 • 4203 NS • Gorinchem • P.O. Box 2025 • 4200 BA • Gorinchem • The Netherlands
T +31 183 695 695 • F +31 183 695 602 • E pla@totalenergies-corbion.com