



PRESS RELEASE
For immediate release

World's first plant-based medical grade face mask authorized under EUA by U.S. FDA

GORIMCHEM, The Netherlands, 22 October 2022 - PADM Medical Group of Companies (PADM Medical Canada and PADM Medical USA), has received its Emergency Use Authorization (EUA) from the U.S. Food and Drug Administration (FDA)¹ to market [PRECISION ECO™](#), the world's first plant based, procedural mask with ear loops for use in healthcare and medical settings² in the United States of America³.

Increasingly, governments and consumers are recognizing the environmental need to develop recyclable and compostable products. Most disposable Personal Protective Equipment (PPE) can take up to 450 years to decompose in the natural environments. Using bioplastics, such as PLA is a solution to tackle hygiene and safety needs in medical settings.

Derek Atkinson, VP of Business Development at TotalEnergies Corbion said: *"We should not accept the limitations of the current way of doing things as being the only way. As we try to minimize the impact of our products on the environment, it is these developments that help us realize these ambitions."* He continued, *"as the supplier to PADM Medical Group of the high purity polylactic acid Luminy® PLA needed in the production of these groundbreaking biobased surgical masks, we are delighted to learn that PADM has succeeded in obtaining Emergency Use Authorization from the US FDA."*

The PLA procedural masks reduce the adverse impact on the environment from single use disposable face masks. Produced from sugarcane, Luminy® PLA greatly reduces the carbon footprint of this applications.

The PRECISION ECO™ Compostable/Plant Based Procedural Mask with Earloops is a USDA Certified Biobased product under the USDA BioPreferred Program with a biobased content of 82%.

"The Emergency Use Authorization on PLA facemasks is a milestone. It is a reward to our commitment to making eco-conscious products to support the health and wellness of all individuals and our planet." said Martin Petrak, PADM Medical Group CEO.

Learn more about developing your PLA applications: <https://www.totalenergies-corbion.com/applications-solutions/>

END PRESS RELEASE

¹ The product has not been FDA cleared or approved.

² The product has been authorized by FDA under an EUA for use in healthcare settings by Health Care Practitioners (HCP) as PPE to provide a physical barrier to fluids and particulate materials to prevent HCP exposure to respiratory droplets and large particles during surgical mask shortages resulting from the COVID-19 pandemic.

³ This product is authorized only for the duration of the declaration that circumstances exist justifying the authorization of the emergency use of medical devices, including alternative products used as medical devices, during the COVID-19 outbreak, under section 564(b)(1) of the Act, 21 U.S.C. § 360bbb-3(b)(1) unless the authorization is terminated or revoked sooner.



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Luminy® PLA based facemask with 83% USDA biobased preferred certification. Picture: PADM medical ©



Significantly improved product lifecycle and reduced environmental impact for Luminy® PLA based facemask. Picture: PADM medical ©

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About TotalEnergies Corbion

TotalEnergies Corbion (formerly known as Total Corbion PLA) 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 PADM Medical

PADM Medical Group (padmmedical.com) is a global leader in design and development of medical devices, specifically eco-friendly sustainable medical consumables, and products. PADM Medical Group is a wholly owned subsidiary of the PADM Group of Companies. The PADM organization is an operationally diverse entity with a defining focus and expertise in highly technical and advanced manufacturing.

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 the global market leader in lactic acid and its derivatives, and a leading supplier of emulsifiers, functional enzyme blends, minerals, vitamins, and algae ingredients. We use our unique expertise in fermentation and other processes to deliver sustainable solutions for the preservation of food and food production, health, and our planet. For over 100 years, we have been uncompromising in our commitment to safety, quality, innovation and performance. Drawing on our deep application and product knowledge, we work side-by-side with customers to make our cutting-edge technologies work for them. Our solutions help differentiate products in markets such as food, home & personal care, animal nutrition, pharmaceuticals, medical devices, and bioplastics. In 2020, Corbion generated annual sales of € 986.5 million and had a workforce of 2,267 FTE. Corbion is listed on Euronext Amsterdam. www.corbion.com

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