



PRESS RELEASE

CARBIOLICE AND CARBIOS ENTER INTO AN AGREEMENT WITH NOVOZYMES FOR LONG-TERM SUPPLY OF ENZYMES FOR PRODUCTION OF SELF-BIODEGRADABLE BIOPLASTICS

Riom, France – January 29, 2019

CARBIOLICE and its main shareholder CARBIOS have signed a joint development agreement with NOVOZYMES, world-leading producer of enzymes, for the production and supply of enzymes for the manufacture of self-biodegradable PLA plastics.

Under the terms of this multi-year agreement, NOVOZYMES will upscale and implement the production process of CARBIOS' proprietary enzyme, and Novozymes commits to become long term, exclusive supplier of CARBIOLICE for PLA plastics degrading enzymes.

The joint collaboration aims to make single-use plastics environmentally-friendly and cost competitive.

CARBIOLICE has successfully created an innovative, unique and universal green solution for plastics based on PLA called EVANESTO®. Combining its expertise in compounding, formulation and process development with the enzyme technology developed by CARBIOS, CARBIOLICE has shown that home composting can become a viable end-of-life option for PLA.

Used as a masterbatch, EVANESTO®, the company's powerful new enzymatic additive, will make PLA polymer compostable under domestic conditions. It will ensure a responsible end of life for single-use plastic based on PLA and PLA derivatives while helping to achieve the goal of zero waste.

Committed to sustainable development and circular economy, CARBIOLICE is now in a position to scale its enzymated technology EVANESTO® up and fasten market adoption through strong collaborations with industrials. The range of commercial applications goes from single-use plastics for grocery and retail bags, rigid and flexible packaging for dairy applications, over industrial food, disposable tableware and to agricultural mulch films.

With EVANESTO®, CARBIOLICE will have the opportunity to take a leading position on the market and allow industrials and brand-owners to reach their sustainability ambitions, by offering consumers a fully biodegradable solution.

Jens KOLIND, VP Technical Industries at NOVOZYMES adds: *“Biological solutions holds sustainable answers to some of the biggest challenges of our time. We are excited to be in this joint collaboration to find enzymatic solutions to the end of life of PLA plastics”*.

Nadia AUCLAIR, CEO of CARBIOLICE adds: *“The market of single-use plastics raises major environmental concerns and the sustainable and inventive approach, through our exclusive license from CARBIOS, is now opening huge opportunities to fulfil industrials and consumers demand while fighting the threat of plastic pollution. This major agreement with NOVOZYMES secures our long-term supply of enzymes to move from traditional manufacturing to sustainable solutions that meet strong market demand. Today, we are proud to make of our solution an industrial and commercial reality.”*

Jean-Claude LUMARET, CEO of CARBIOS comments: *“We are proud of this partnership with the world leading enzymes producer NOVOZYMES, that gives CARBIOLICE the strength to launch at large-scale the most advanced eco-friendly solution for the biodegradation of single-use plastics based on PLA.”*

For more information, please visit : www.carbiolice.com

About CARBIOLICE:

CARBIOLICE is a meaningful joint-venture established in 2016, based on the shared and complementary ambitions of CARBIOS, a green chemical company developing enzymatic technologies; of the SPI investment fund operated by Bpifrance; and LIMAGRAIN CÉRÉALES INGRÉDIENTS (LCI), a global seed company.

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About CARBIOS:

CARBIOS is a green chemistry company whose innovations provide solutions to the environmental and sustainable development issues that manufacturers currently face. Since its founding in 2011, the company has developed two industrial-scale biological processes for the biological breakdown and recycling of polymers. These unique innovations help optimise the performance and life cycle of plastics and textiles by capitalizing on the properties of specially selected enzymes. CARBIOS's economic growth model is based on the industrial roll-out and sale of its products, enzymes, technologies and biological processes through direct licence agreements or joint ventures, to major players in the fields to whom they would most benefit. To that end, CARBIOS founded the joint venture CARBIOLICE in 2016, in partnership with Limagrain Céréales Ingrédients and the fund SPI, run by Bpifrance. This company, in which CARBIOS holds a controlling share, will market the first technology licensed by CARBIOS by producing enzyme pellets used in the production of biodegradable and bio-sourced plastics. Since its founding, CARBIOS has been backed by [Truffle Capital](#), a European investment capital player. CARBIOS qualifies as an “Innovative Company” according to Bpifrance, which makes the company's shares eligible for inclusion in innovation-focused mutual funds (FCPIs). For more information, please visit: www.carbios.fr

CARBIOS is also eligible for inclusion in SME share savings accounts (PEA-PMES).

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About NOVOZYMES:

NOVOZYMES is the world leader in biological solutions. Together with customers, partners and the global community, we improve industrial performance while preserving the planet's resources and helping build better lives. As the world's largest provider of enzyme and microbial technologies, our bioinnovation enables higher agricultural yields, low-temperature washing, energy-efficient production, renewable fuel and many other benefits that we rely on today and in the future.

We call it Rethink Tomorrow. www.novozymes.com