
PRESS RELEASE

AVA Biochem, world leader in 5-HMF, adds FDCA to its product portfolio

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AVA Biochem, world leader in 5-HMF production, is expanding its product portfolio to include platform chemical FDCA (2,5-Furandicarboxylic acid). In addition to 5-HMF, the Swiss company will now deliver high-quality FDCA to customers and partners engaged in research and development of new products.

Furan derivatives produced from renewable carbohydrates are some of the most important next-generation platform chemicals. In 2004, the US Department of Energy classed FDCA as one of the 12 most important platform chemicals in the world.

AVA Biochem's 5-HMF production is based on hydrothermal processing technology (HPT) and is an excellent, cost-efficient basis for the oxidation of 5-HMF to FDCA. Significant cost advantages can be realised on an industrial scale, paving the way for competitively priced bio-based packaging solutions in the future.

FDCA produced from 5-HMF allows for the production of bio-based PEF (polyethylene furanoate) and other materials. Thanks to a variety of sought after product advantages, these materials will help bio-based plastics to massively grow its share in the billion-dollar packaging market.

“Expanding the product portfolio to include FDCA is another important milestone for AVA Biochem. This will significantly accelerate market development of 100% bio-based plastic packaging based on PEF, a renewable replacement material for PET”, explains Thomas Kläusli, Chief Marketing Officer of the Swiss biochemical company.

About AVA Biochem

AVA Biochem produces the premium platform chemical 5-Hydroxymethylfurfural (5-HMF) from renewable biomass and delivers to customers in the fine chemical segment and to research institutes around the globe. In 2016, AVA Biochem added 2,5-Furandicarboxylic acid (FDCA) to its product portfolio, to support the development of innovative, bio-based plastics packaging solutions. AVA Biochem is a subsidiary of AVA-CO2 Schweiz AG, Zug and is located in Muttenz, Switzerland. The world's first industrial plant for production of 'Swiss-Made' 5-HMF from biomass is operated in Muttenz.

Further Information: www.ava-biochem.com/@AVABiochem

Media Contact

Kathryn Sheridan
Sustainability Consult
Phone (Europe): +32 496 116198
Phone (N. America): (202) 470 3239
Email: media@sustainabilityconsult.com

Company Contact

Thomas M. Kläusli
AVA Biochem
Phone: +41 41 727 09 81
Cell: +41 78 936 74 81
Email: media@ava-biochem.com