



Process Development of a New Class of Biocides: Sting[®]-003

WYDO and Sting Additives Receive a Grant for the following activities:

Biocides are active substances and preparations that neutralize harmful microorganisms. For decades, biocides have been the answer in the fight against bacteria, viruses, and fungi. However, due to their toxic effects and impact on humans and the environment, the use of toxic biocides is more strictly regulated. This presents a challenge for manufacturers of products containing biocides. New products are needed, especially in the context of Covid-19 and the emergence of MDRSA bacteria.

In collaboration with knowledge institutions, Sting Additives has developed an innovative biocide material (Sting[®]-003) for use in, for example, paints. In this VIA 2021 project, the scale-up from laboratory to pilot plant is investigated. The manufacturing process on a kilogram scale will be developed, and Sting[®]-003 will be characterized using analytical techniques. The antimicrobial activity will be determined through microbiological testing. The goal is a defined manufacturing process and specifications of Sting[®]-003. Finally, Sting[®]-003 will be tested by potential customers.

The grant is provided by SNN and the VIA 2021 program.



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