

RESEARCH PROJECTS

Stereoflex

Development and trial of non-migrating plasticizers for poly-L-lactic acid.

Weblink

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Project Executing Organization

Fachagentur Nachhaltende Rohstoffe (FNR) [Agency for Renewable Resources]



Fachagentur Nachhaltende Rohstoffe e.V.

Gefördert durch:



aufgrund eines Beschlusses
des Deutschen Bundestages

Duration

June 2016 – February 2020

Funding institution

Bundesministerium für Ernährung und Landwirtschaft
[Federal Ministry of Food and Agriculture]

Summary

The aim of the proposed research project is the product and application oriented development of a new plasticizer class with high flexibility and low migration tendency for poly-L-lactic acid. The reduced migration tendency is to be achieved by “anchoring” the softeners via a stereo-complex between poly-L-lactic acid chains of the matrix and poly-D-lactic acid blocks of the plasticizer molecules. The materials to be developed will be evaluated with regard to possible large-scale production or incorporation. The main application area is anticipated to be in flexible film materials.

Contact

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