

Abstract

Methods, standards and specifications for biodegradability and compostability testing of bioplastic materials

Speaker: **Dr. Thomas Günther**
Laboratory Manager
Eurofins Umwelt Ost GmbH,
Jena



Abstract: Biodegradable plastics and packaging materials meet the needs of growing consumer awareness for sustainable use and are adapted to the processes of circular economy.

To introduce these materials successfully in the packaging sector, it is essential that biodegradable materials are labelled clearly. Tests for biodegradability and compostability are a prerequisite here. Laboratory based approaches exist for acquiring such data by testing products in standardized testing protocols. Extent, rate and microbial degradation pathways vary widely in different environments such as water, soil, compost or anaerobic digesters. For the demonstration of adequate biodegradability, it is necessary to select the appropriate test depending on the use of the product and its end of life treatment.

The presentation highlights principles and methods of testing biodegradability. The basic terminology of biodegradability testing and test procedures are outlined as well as standards and specification for compostability of bioplastics.

Contact: Eurofins Umwelt Ost GmbH
Löbstedter Str. 78
D-07749 Jena

Phone: +49 3641 46490

E-Mail: info_jena@eurofins.de

Web: www.eurofins-umwelt.de

**Biopolymer – Processing & Moulding
International Congress & Exhibition**

**21/22 May 2019, Halle Messe
Halle (Saale), Germany**

Further information on the Congress: www.polykum.de/biopolymer-2019

Be part of the event in 2020! www.polykum.de/biopolymer-2020



BIOPOLYMER
Processing & Moulding