Oliver Ehlert

报告人简介：

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生日：1972 年 5 月 12 日在德国弗赖堡

教育：Dipl.-Chem. 2002 年，德国弗莱堡大学

文凭论文：球形红细菌（Rhodobacter sphaeroides）细菌反应中心电荷转移反应的粘度依赖性（物理化学系）

NAT（2007 年）， 微系统工程系工程学院

博士论文：纳米晶体的外在和内在缺陷，弗莱堡材料研究中心（FMF）

2009-2011：德国柏林联邦材料研究与测试研究所（BAM），“材料与环境”系，“热化学残留处理和资源回收”部分

自 2012 年以来：DIN CERTCO 可堆肥材料和生物基产品的产品经理

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Profile of the Author:

Born: 12 May 1972 in Freiburg, Germany

Education: Dipl.-Chem. 2002, University of Freiburg, Germany

Diploma thesis: Viscosity dependency of charge transfer reactions in bacterial reaction centers of Rhodobacter sphaeroides (Department of Physical Chemistry)

Dr. rer. nat (2007), Faculty of Engineering, Department of Microsystems Engineering

Ph. D. thesis: Extrinsic and intrinsic defects in nanocrystals, Freiburg Materials Research Center (FMF)

2009-2011: Federal Institute of Materials Research and Testing (BAM), Berlin, Germany, Department "Materials and Environment", Section "Thermochemical Residues Treatment and Resource Recovery"

Since 2012: Product Manager for Compostable Materials and Bio-based products at DIN CERTCO

20 多年的“幼苗”认证—欧洲的标准和政策

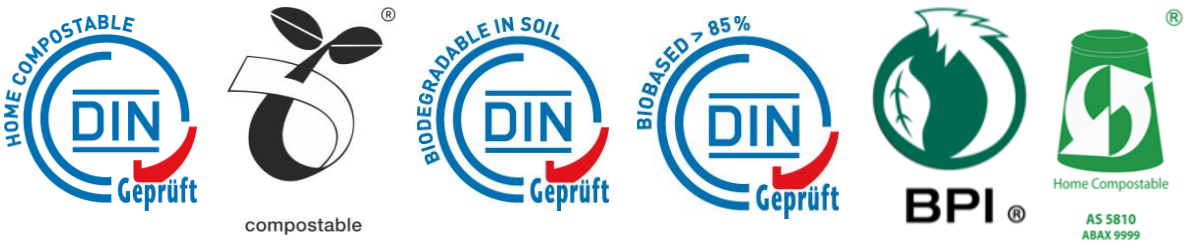
摘要：随着市场和消费者对可再生资源的关注越来越多，公众对不利用化石资源的材料和产品的需求不断上升，如天然气，石油，煤气等。因此，生产者需要证明这些化石碳源可被生物基碳源取代或分别证明各自的寿命终止选择。由于消费者或用户无法仅凭肉眼识别这些属性，因此需要独立的凭证和标签。

在本演示文稿中，我们介绍了生物塑料或生物复合材料（生物基和可生物降解）的各种标准和可能的认证方法。了解最新标准，以及认证领域的最新评估基础：

- Biobased 产品（ASTM D 6866，CEN / TS 16137，ISO 16620，EN 16785-1）
- 由可堆肥材料制成的产品（DIN EN 13432，ASTM D 6400 等）
- 用于家庭和花园堆肥的可堆肥材料制成的产品（AS 5810，NF T 51-800）
- 土壤中的可降解性（EN 17033）
- 可生物降解产品的添加剂
- BPI 认证计划（ASTM D 6400，ASTM D 6868）
- ABA 认证（AS 4736，AS 5810）

此外，还简要介绍了欧洲的立法。

DIN CERTCO 是德国莱茵 TÜV 集团和 DIN e. V.,德国标准化研究所的认证机构。它在独立性，中立性，能力性以及超过 45 年的该领域经验中受到国内外的高度重视。



20+ Years of “Seedling” Certification-Standards and Politics in Europe

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Abstract: Sustainable resources are more and more focussed by the industry as the market, the consumers, with a rising public demand for materials and products that do not exploit fossil resources, like e. g. gas, oil, coal, etc. Therefore, it is widely necessary for producers to prove, that these fossil carbon sources are replaced by bio-based carbon sources or to prove the respective end-of-life options, respectively. As consumers/users cannot identify these properties just by the naked eye, independent proofs and labelling are required.

In this presentation, we introduce various standards and the possible ways for the certification of bioplastics or biocomposites, either biobased and/or biodegradable. Get up-to-date with the latest standards and therefore, the latest bases of assessment in the world of certification:

- Biobased Products (ASTM D 6866, CEN/TS 16137, ISO 16620, EN 16785-1)
- Products made of compostable materials (DIN EN 13432, ASTM D 6400 and others)
- Products made of compostable materials for home and garden composting (AS 5810, NF T 51-800)
- Biodegradability in Soil (EN 17033)
- Additives for biodegradable products
- BPI Certification Program (ASTM D 6400, ASTM D 6868)
- ABA Certification (AS 4736, AS 5810)

Additionally, a brief overview on the legislation in Europe is given.

DIN CERTCO is the certification organization of TÜV Rheinland Group and DIN e. V., the German Institute for Standardization. It is highly regarded at home and abroad

for its independence, neutrality, competence and more than 45 years of experience in the field.