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S.R. CEN/TS 16137:2011

Plastics - Determination of bio-based carbon content

S.R. CEN/TS 16137:2011

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English Version

Plastics - Determination of bio-based carbon content

Plastiques - Détermination de la teneur en carbone
biosourcé

Kunststoffe - Bestimmung des biobasierten
Kohlenstoffgehalts

This Technical Specification (CEN/TS) was approved by CEN on 20 December 2010 for provisional application.

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Foreword

This document (CEN/TS 16137:2011) has been prepared by Technical Committee CEN/TC 249 "Plastics", the secretariat of which is held by NBN.

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Introduction

This Technical Specification specifies the calculation method for the determination of bio-based carbon content in monomers, polymers, plastics materials and products using the ^{14}C method.

This calculation method using the ^{14}C method is based on the well established analytical test methods used for the determination of the age of objects containing carbon.

This Technical Specification provides the reference test methods for laboratories, producers, suppliers and purchasers of bio-based polymer materials and products. It can be also useful for authorities and inspection organizations.

NOTE 1 This Technical Specification is based on EN 15440 [4] prepared by CEN/TC 343, Solid recovered fuels.

NOTE 2 The analytical test methods specified in this Technical Specification are compatible with those described in ASTM D6866 - 10 [9].

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