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I.S. EN 16126:2012

Solid biofuels - Determination of particle size distribution of disintegrated pellets

I.S. EN 16126:2012

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English Version

Solid biofuels - Determination of particle size distribution of disintegrated pellets

Biocombustibles solides - Détermination de la distribution granulométrique des granulés désintégrés

Feste Biobrennstoffe - Bestimmung der Partikelgrößenverteilung von Pellet-Ausgangsmaterial

This European Standard was approved by CEN on 7 January 2012.

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Foreword

This document (EN 16126:2012) has been prepared by Technical Committee CEN/TC 335 “Solid biofuels”, the secretariat of which is held by SIS.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by August 2012, and conflicting national standards shall be withdrawn at the latest by August 2012.

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Introduction

In coal power plants with powder fuel burners for energy production, rebuilt to use biomass powder from biofuel pellets, the operators need information on the particle size distribution in the fuel for optimising of e.g. efficiency and emission levels. The grinders used for producing fuel powder within these plants grinds the biomass pellets into the individual internal particles in the pellets. The method described in this document aims to estimate the internal particle size distribution of the material comprised in fuel pellets.

For the time being, this method is based on experience of pellets made from sawdust, wood shavings and milled wood or straw as raw material. The method may also be applicable for pellets produced from other biofuel materials.

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