

IRISH STANDARD

I.S. CEN/TS 15290:2006

ICS 75.160.10

National Standards Authority of Ireland Glasnevin, Dublin 9 Ireland

Tel: +353 1 807 3800 Fax: +353 1 807 3838 http://www.nsai.ie

SOLID BIOFUELS - DETERMINATION OF MAJOR ELEMENTS

Sales

http://www.standards.ie

This Irish Standard was published under the authority of the National Standards Authority of Ireland and comes into effect on: May 15, 2006

NO COPYING WITHOUT NSAI PERMISSION EXCEPT AS PERMITTED BY COPYRIGHT LAW

© NSAI 2006 Price Code F

Údarás um Chaighdeáin Náisiúnta na hÉireann

This is a free page sample. Access the full version online.

TECHNICAL SPECIFICATION SPÉCIFICATION TECHNIQUE TECHNISCHE SPEZIFIKATION

CEN/TS 15290

March 2006

ICS 75.160.10

English Version

Solid Biofuels - Determination of major elements

Biocombustibles solides - Détermination des éléments mineurs

Feste Biobrennstoffe - Bestimmung von Hauptelementen

This Technical Specification (CEN/TS) was approved by CEN on 22 November 2005 for provisional application.

The period of validity of this CEN/TS is limited initially to three years. After two years the members of CEN will be requested to submit their comments, particularly on the guestion whether the CEN/TS can be converted into a European Standard.

CEN members are required to announce the existence of this CEN/TS in the same way as for an EN and to make the CEN/TS available promptly at national level in an appropriate form. It is permissible to keep conflicting national standards in force (in parallel to the CEN/TS) until the final decision about the possible conversion of the CEN/TS into an EN is reached.

CEN members are the national standards bodies of Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION COMITÉ EUROPÉEN DE NORMALISATION EUROPÄISCHES KOMITEE FÜR NORMUNG

Management Centre: rue de Stassart, 36 B-1050 Brussels

CEN/TS 15290:2006 (E)

| Contents | | | |
|--------------|--|----|--|
| Forew | vord | 3 | |
| Introduction | | | |
| 1 | Scope | 5 | |
| 2 | Normative references | 5 | |
| 3 | Terms and definitions | 5 | |
| 4 | Symbols and abbreviations | 5 | |
| 5 | Principle | 6 | |
| 6 | Reagents | 6 | |
| 7 | Apparatus | 7 | |
| 8 | Preparation of the test sample | 7 | |
| 9 | Procedure | 7 | |
| 10 | Calculations | 9 | |
| 11 | Precision of the method | 10 | |
| 12 | Test Report | 10 | |
| Annex | x A (informative) List of conversion factors | 11 | |
| Biblio | grahpy | 12 | |

CEN/TS 15290:2006 (E)

Foreword

This Technical Specification (CEN/TS 15290:2006) has been prepared by Technical Committee CEN/TC 335 "Solid biofuels", the secretariat of which is held by SIS.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to announce this CEN Technical Specification: Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

CEN/TS 15290:2006 (E)

Introduction

The elements described as major elements of solid biofuels are in fact major elements of the fuel ashes more than of the fuels. The determination of these elements may be helpful to predict the melting behaviour and slagging of the ashes. Moreover, contamination of fuel with sand or soil is indicated by high values of several elements.

In this Technical Specification, wet chemical methods are described. As an alternative, X-ray fluorescence (XRF) may be used when validated with suitable materials (biomass reference materials).



| | This is a free preview. | Purchase the e | entire publication | at the link below: |
|--|-------------------------|----------------|--------------------|--------------------|
|--|-------------------------|----------------|--------------------|--------------------|

Product Page

- Dooking for additional Standards? Visit Intertek Inform Infostore
- Dearn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation