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SIST EN 14155:2003

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 14155

July 2003

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English version

Derivatives from coal pyrolysis - Carbon black feedstock - Specifications and test methods

Produits dérivés de la pyrolyse du charbon - Produits à
base de goudron de charbon: Substrats de noir de carbone
- Spécifications et méthodes d'essai

Derivate der Kohlenpyrolyse - Rußrohstoff aus
Steinkohlenteeröl - Anforderungen und Prüfverfahren

This European Standard was approved by CEN on 16 May 2003.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Management Centre has the same status as the official versions.

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

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

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

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Foreword

This document (EN 14155:2003) has been prepared by Technical Committee CEN /TC 317, "Derivatives from coal pyrolysis", the secretariat of which is held by IBN.

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of an identical text or by endorsement, at the latest by January 2004, and conflicting national standards shall be withdrawn at the latest by January 2004

WARNING — The use of the European Standard may involve hazardous materials, operations and equipment. This standard does not purport to address all of the safety problems associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and the United Kingdom.

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EN 14155:2003 (E)**1 Scope**

This European Standard defines the specifications and the test methods for carbon black feedstock i.e. coal tar, coal tar fractions or coal tar distillates used for the manufacture of carbon black.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text, and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

EN 241, *Liquid petroleum products – Determination of sodium content – Atomic absorption spectrometric method.*

EN 1014-1, *Wood preservatives - Creosote and creosoted timber - Methods of sampling and analysis - Part 1 : Procedure for sampling creosote.*

EN 12303:2000, *Coal tar based oils - Terminology.*

prEN 13991, *Derivatives from coal pyrolysis – Coal tar based oils : creosotes - Specifications and test methods.*

EN ISO 2719, *Determination of flash point - Pensky-Martens closed cup method (ISO 2719:2002).*

EN ISO 3675, *Crude petroleum and liquid petroleum products - Laboratory determination of density - Hydrometer method (ISO 3675:1998).*

EN ISO 6245, *Petroleum products - Determination of ash (ISO 6245:2001).*

ISO 760, *Determination of water - Karl Fischer method (General method).*

ISO 3733, *Petroleum products and bituminous materials - Determination of water - Distillation method.*

ISO/DIS 14435, *Carbonaceous materials for the production of aluminium – Petroleum coke – Determination of trace metals by inductively coupled plasma atomic emission spectrometry.*

3 Terms and definitions

For the purposes of this European standard, the terms and definitions given in EN 12303:2000 apply.

4 Sampling

Samples for the assessment of the characteristics listed in Table 1 shall be taken in accordance with EN 1014-1.

5 Specifications and test methods

The specifications and the test methods are given in Table 1.

Table 1 — Specifications and test method

Parameter	Minimum	Maximum	Test Method
Density at 15°C (kg/m ³)	960	1200	EN ISO 3675
Water content (m/m) %		0,5	ISO 760 ^a
Flash point (°C)	61		EN ISO 2719
Sodium content (mg/kg)		50	EN 241
			Alternative method ISO/DIS 14435 ^b
Ash (m/m) %		0,5	EN ISO 6245
Crystallization temperature (°C)		100	prEN 13991
^a As an alternative, the distillation method of ISO 3733 may be used			
^b For sodium content determination of coal tar based oils, melting with lithium borate is not used.			

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