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Coal and coke — Mechanical sampling —

Part 6: Preparation of test samples of coke

Charbon et coke — Échantillonnage mécanique —

Partie 6: Préparation des échantillons pour essai de coke

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Contents

Page

Foreword ..... **v**
Introduction ..... **vi**
1 Scope **1**
2 Normative references **1**
3 Terms and definitions **1**
4 Precision of sample preparation **2**
5 Constitution of a sample **2**
5.1 General 2
5.2 Combination of increments 2
5.3 Combination of samples 2
6 Division **3**
6.1 General 3
6.2 Mechanical methods 13
6.2.1 General 13
6.2.2 Mass of cut 13
6.2.3 Interval between cuts 14
6.2.4 Division of individual increments 14
6.2.5 Minimum mass of divided increment 14
6.2.6 Division of samples 15
6.3 Manual methods 15
6.3.1 General 15
6.3.2 Riffle method 15
6.3.3 Flattened-heap method 16
6.3.4 Strip-mixing and splitting method 18
7 Preparation of samples for specific tests **19**
7.1 Types of test sample 19
7.2 Preparation of samples for determining total moisture 21
7.2.1 General 21
7.2.2 Procedure 21
7.2.3 Wet samples 21
7.2.4 Reduction of total moisture test sample 22
7.2.5 Division 22
7.2.6 Determination of total moisture 22
7.2.7 Reserve sample 22
7.3 Preparation of sample for general analysis 22
7.3.1 General 22
7.3.2 Segregation errors (preparation error) 22
7.3.3 Reduction 23
7.3.4 Division 23
7.3.5 Preparation errors 23
7.4 Storage 23
7.5 Physical test sample 23
7.6 Samples for special properties 23
8 Design of equipment for preparation **24**
8.1 Dividers 24
8.2 Design of cutters for falling-stream dividers 24
8.2.1 General 24
8.2.2 Cutter velocity 24
8.3 Crushers 25
8.3.1 General 25
8.3.2 Examples of crushers 25
8.4 Preparation systems 25

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8.4.1 General 25
8.4.2 Design criteria 26
8.4.3 Normal operation 26
8.4.4 Abnormal operation 26
8.4.5 Provision for checking for precision 26
8.4.6 Provision for testing for bias 26

Bibliography **27**

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Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO document should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 27, *Coal and coke*, Subcommittee SC 4, *Sampling*.

This third edition cancels and replaces the second edition (ISO 13909-6:2016), which has been technically revised.

The main changes are as follows:

— the title has been modified and aligned with the rest of the ISO 13909 series;

— the scope has been revised to specifically refer to coke;

— the references have been updated;

— legends for Formulae (1) and (3) have been updated;

— requirements have been specified throughout the document.

A list of all parts in the ISO 13909 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

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Introduction

The objective of sample preparation is to prepare one or more test samples from the primary increments for subsequent analysis. The requisite mass and particle size of the test samples depend on the test to be carried out.

Examples of tests which require different masses are shatter index (ISO 616), Micum and Irsid Index (ISO 556), reactivity tests (ISO 18894), density (ISO 567, ISO 1013) and size distribution (ISO 728, ISO 2325).

The process of sample preparation can involve constitution of samples, reduction, division, mixing and drying, or all, or a combination of these.

Primary increments can be prepared individually as test samples or combined to constitute samples either as taken or after having been prepared by either reduction or division, or both. Samples can either be prepared individually as test samples or combined on a weighted basis to constitute a further sample.

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Coal and coke — Mechanical sampling —

Part 6:
Preparation of test samples of coke

1 Scope

This document describes the preparation of samples of coke from the combination of primary increments to the preparation of samples for specific tests.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 579, *Coke — Determination of total moisture*

ISO 687, *Coke — Determination of moisture in the general analysis test sample*

ISO 13909-1, *Coal and coke — Mechanical sampling — Part 1: General introduction*

ISO 13909-5, *Coal and coke — Mechanical sampling — Part 5: Sampling of coke from moving streams*

ISO 13909-7, *Coal and coke — Mechanical sampling — Part 7: Methods for determining the precision of sampling, sample preparation and testing*

ISO 13909-8, *Coal and coke — Mechanical sampling — Part 8: Methods of testing for bias*

ISO 21398, *Hard coal and coke — Guidance to the inspection of mechanical sampling systems*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 13909-1 apply.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at https://www.iso.org/obp

— IEC Electropedia: available at https://www.electropedia.org/

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