International

ISO 13909-6

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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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.

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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.