

ISO 13909-6:2025-07 (E)

Coal and coke - Mechanical sampling - Part 6: Preparation of test samples of coke

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
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