

ISO 13909-6:2016-07 (E)

Hard coal and coke - Mechanical sampling - Part 6: Coke - Preparation of test samples

Contents		Page
Foreword		v
Introduction		vi
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Precision of sample preparation	1
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	9
6.2.1	General	9
6.2.2	Mass of cut	10
6.2.3	Interval between cuts	11
6.2.4	Division of individual increments	11
6.2.5	Minimum mass of divided increment	11
6.2.6	Division of samples	12
6.3	Manual methods	12
6.3.1	General	12
6.3.2	Riffle method	12
6.3.3	Flattened-heap method	13
6.3.4	Strip-mixing and splitting method	15
7	Preparation of samples for specific tests	16
7.1	Types of test sample	16
7.2	Preparation of samples for determining total moisture	18
7.2.1	General	18
7.2.2	Procedure	18
7.2.3	Wet samples	18
7.2.4	Reduction of total moisture test sample	19
7.2.5	Division	19
7.2.6	Determination of total moisture	19
7.2.7	Reserve sample	19
7.3	Preparation of sample for general analysis	19
7.3.1	General	19
7.3.2	Preparation errors	19
7.3.3	Reduction	20
7.3.4	Division	20
7.3.5	Preparation errors	20
7.4	Storage	20
7.5	Physical test sample	20
7.6	Samples for special properties	20

8	Design of equipment for preparation	21
8.1	Dividers	21
8.2	Design of cutters for falling-stream dividers	21
8.2.1	General	21
8.2.2	Cutter velocity	21
8.3	Crushers	22
8.3.1	General	22
8.3.2	Examples of crushers	22
8.4	Preparation systems	22
8.4.1	General	22
8.4.2	Design criteria	23
8.4.3	Normal operation	23
8.4.4	Abnormal operation	23
8.4.5	Provision for checking for precision	23
8.4.6	Provision for testing for bias	24
	Bibliography	25