

ISO 13909-8:2016-07 (E)

Hard coal and coke - Mechanical sampling - Part 8: Methods of testing for bias

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Principles	1
5	Pretest inspection	2
6	Reference methods	2
7	Test design	3
7.1	Choice of test parameters	3
7.2	Number of paired samples	3
7.3	Selection of sample pairs	3
7.3.1	Composition of sample pairs	3
7.3.2	Paired-increment samples	4
7.3.3	Paired-batch samples	4
7.4	Choice of fuel for test	4
7.5	Coke	4
8	Conduct of the test	4
8.1	General	4
8.2	Collection and preparation of test samples	5
9	Outline of test procedure	5
9.1	General	5
9.2	Special precautions for moisture-test samples	6
9.3	Documentation	6
10	Statistical analysis and interpretation	6
10.1	Outline of statistical procedure	6
10.2	Calculations	7
10.2.1	Statistical procedure for identifying outliers	7
10.2.2	Disposition of outliers	8
10.2.3	Calculation of confidence intervals and determining bias	8
10.2.4	Review of the 95 % confidence region for the bias	12
11	Test report	12
Annex A (informative) Example calculations		13
Bibliography		28