

ISO 4695:2015-08 (E)

Iron ores for blast furnace feedstocks - Determination of the reducibility by the rate of reduction index

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Principle	1
5	Sampling, sample preparation and preparation of test portions	1
5.1	Sampling and sample preparation	1
5.2	Preparation of test portions	2
6	Apparatus	2
6.1	General	2
7	Test conditions	3
7.1	General	3
7.2	Reducing gas	3
7.2.1	Composition	3
7.2.2	Purity	3
7.2.3	Flow rate	3
7.3	Heating and cooling gas	3
7.4	Temperature of the test portion	3
8	Procedure	4
8.1	Number of determinations for the test	4
8.2	Chemical analysis	4
8.3	Reduction	4
9	Expression of results	5
9.1	Calculation of the reducibility index	5
9.2	Repeatability and acceptance of test results	5
10	Test report	6
11	Verification	6
Annex A (normative) Flowsheet of the procedure for the acceptance of test results		10
Annex B (informative) Derivation of equation for reducibility		11