

# ISO 4695:2021-10 (E)

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

---

<b>Contents</b>		<b>Page</b>
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 .....	2
5.1	Sampling and sample preparation .....	2
5.2	Preparation of test portions .....	2
6	Apparatus .....	2
7	Test conditions .....	5
7.1	General .....	5
7.2	Reducing gas .....	5
7.2.1	Composition .....	5
7.2.2	Purity .....	5
7.2.3	Flow rate .....	5
7.3	Heating and cooling gas .....	5
7.4	Temperature of the test portion .....	6
8	Procedure .....	6
8.1	Number of determinations for the test .....	6
8.2	Chemical analysis .....	6
8.3	Reduction .....	6
9	Expression of results .....	7
9.1	Calculation of the reducibility index .....	7
9.2	Repeatability and acceptance of test results .....	8
10	Test report .....	8
11	Verification .....	8
Annex A (normative) Flowsheet of the procedure for the acceptance of test results .....		10
Annex B (informative) Derivation of equation for reducibility .....		11