ISO 11256:2015-08 (E)

Iron ore pellets for shaft direct-reduction feedstocks - Determination of the clustering index

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Termsanddefinitions 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 portion 2

6 Apparatus 2

7 Test conditions 3
7.1 General 3
7.2 Reducing gas 3
7.2.1 Composition 3
7.2.2 Purity 4
7.2.3 Flow rate 4
7.3 Heating and cooling gas 4
7.4 Temperature of the test portion 4
7.5 Loading of the test portion 4

8 Procedure 4
8.1 Number of determinations for the test 4
8.2 Chemical analysis 4
8.3 Reduction 4
8.4 Disaggregation 5

9 Expression of results 6
9.1 Calculation of the clustering index (CI) 6
9.2 Repeatability and acceptance of test results 6

10 Test report 6

11 Verification 6

Annex A (normative) Flowsheet of the procedure for the acceptance of test results 11

Annex B (informative) Example of a calculation of the clustering index 12