

ISO 4696-2:2015-09 (E)

Iron ores for blast furnace feedstocks - Determination of low-temperature reduction-disintegration indices by static method - Part 2: Reduction with CO and N₂

| 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 | 2 |
| 5.1 Sampling and sample preparation | 2 |
| 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 | 4 |
| 7.3 Heating and cooling gas | 4 |
| 7.4 Temperature of the test portion | 4 |
| 8 Procedure | 4 |
| 8.1 Number of determinations for the test | 4 |
| 8.2 Reduction | 4 |
| 8.3 Tumbling | 4 |
| 8.4 Sieving | 5 |
| 9 Expression of results | 5 |
| 9.1 Calculation of the reduction-disintegration index (RDI-2-2,8) | 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 |