

ISO 2597-2:2008-11 (E)

Iron ores - Determination of total iron content - Part 2: Titrimetric methods after titanium(III)chloride reduction

| Contents | | Page |
|--|--|-------------|
| Foreword | | iv |
| 1 | Scope | 1 |
| 2 | Normative references | 1 |
| 3 | Principle | 2 |
| 3.1 | Decomposition of the test portion | 2 |
| 3.2 | Titration of iron | 2 |
| 4 | Reagents | 2 |
| 5 | Apparatus | 4 |
| 6 | Sampling and samples | 5 |
| 6.1 | Laboratory sample | 5 |
| 6.2 | Preparation of test samples | 5 |
| 7 | Procedure | 5 |
| 7.1 | Number of determinations | 5 |
| 7.2 | Blank test and check test | 5 |
| 7.3 | Determination of hygroscopic moisture content | 6 |
| 7.4 | Test portion | 6 |
| 7.5 | Determination | 6 |
| 8 | Expression of results | 9 |
| 8.1 | Calculation of total iron content | 9 |
| 8.2 | General treatment of results | 9 |
| 8.3 | Oxide factors | 11 |
| 9 | Test report | 11 |
| Annex A (normative) Flowsheet of the procedure for the acceptance of analytical values for test samples | | 12 |
| Annex B (informative) Derivation of precision statements | | 13 |
| Annex C (normative) Procedure of the Japanese weighing method | | 14 |
| Bibliography | | 15 |