

ISO 629:2026-01 (E)

Steel and cast iron - Determination of manganese content - Spectrophotometric method

Contents

Page

| | |
|---|----------|
| Foreword..... | iv |
| 1 Scope | 1 |
| 2 Normative references | 1 |
| 3 Terms and definitions | 1 |
| 4 Principle | 1 |
| 5 Reagents | 1 |
| 6 Apparatus | 3 |
| 7 Sampling and sample preparation | 3 |
| 8 Procedure | 3 |
| 8.1 Test portion..... | 3 |
| 8.2 Blank test..... | 3 |
| 8.3 Determination..... | 3 |
| 8.3.1 Preparation of test solution..... | 3 |
| 8.3.2 Formation of coloured compound for test portion..... | 4 |
| 8.3.3 Preparation of the compensation solution..... | 4 |
| 8.3.4 Spectrophotometric measurement..... | 4 |
| 8.3.5 Establishment of calibration curve..... | 4 |
| 9 Expression of results | 6 |
| 10 Test report | 6 |