

ISO 11400:2021-12 (E)

Nickel, ferronickels and nickel alloys - Determination of phosphorus content - Phosphovanadomolybdate 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 | 4 |
| 8.1 | Test portion | 4 |
| 8.2 | Blank test | 4 |
| 8.3 | Determination | 4 |
| 8.3.1 | Preparation of the test solution | 4 |
| 8.3.2 | Removal of chromium | 4 |
| 8.3.3 | Complexation | 4 |
| 8.3.4 | Colour development and extraction | 5 |
| 8.3.5 | Spectrophotometric measurement | 5 |
| 8.4 | Establishment of the calibration curve | 5 |
| 8.5 | Check test | 6 |
| 9 | Expression of results | 6 |
| 9.1 | Calculation | 6 |
| 9.2 | Precision | 6 |
| 9.2.1 | Laboratory tests | 6 |
| 9.2.2 | Statistical analysis | 7 |
| 10 | Test report | 7 |
| | Bibliography | 9 |