

DIN EN ISO 7526:2020-06 (E)

Ferronickels - Determination of sulfur content - Infrared absorption method after induction furnace combustion (ISO 7526:2020)

| Contents | Page |
|---|-------------|
| European foreword | 3 |
| Foreword | 4 |
| 1 Scope | 5 |
| 2 Normative references | 5 |
| 3 Terms and definitions | 5 |
| 4 Principle | 5 |
| 5 Reagents | 5 |
| 6 Apparatus | 6 |
| 7 Sampling and sample preparation | 7 |
| 8 Procedure | 8 |
| 8.1 Preparing and stabilizing the instrument | 8 |
| 8.2 Blank test and zero adjustment | 8 |
| 8.2.1 Sulfur contents $\leq 0,05$ % | 8 |
| 8.2.2 Sulfur contents $> 0,05$ % | 8 |
| 8.3 Calibration | 8 |
| 8.4 Determination | 9 |
| 9 Expression of results | 10 |
| 9.1 Calculation | 10 |
| 9.2 Precision | 10 |
| 10 Test report | 12 |
| Annex A (informative) Features of commercial high frequency induction furnaces and infrared sulfur analysers | 13 |
| Annex B (informative) Composition of the samples used for the validation precision test | 14 |
| Annex C (informative) Graphical representation of the precision data | 15 |
| Bibliography | 16 |