

ISO 13899-2:2005-06 (E)

Steel - Determination of Mo, Nb and W contents in alloyed steel - Inductively coupled plasma atomic emission spectrometric method - Part 2: Determination of Nb content

| Contents | | Page |
|---|---|-------------|
| Foreword | | iv |
| 1 | Scope | 1 |
| 2 | Normative references | 1 |
| 3 | Principle | 1 |
| 4 | Reagents | 2 |
| 5 | Apparatus | 3 |
| 6 | Sampling and samples | 4 |
| 7 | Procedure | 4 |
| 7.1 | Preparation of test solution, T_n | 4 |
| 7.2 | Preparation for spectrometric measurements | 5 |
| 7.3 | Pre-analysis of the test solution | 5 |
| 7.4 | Preparation of calibration solutions for bracketing, K_{Ln} and K_{Hn} | 6 |
| 7.5 | Analysis of test solutions | 6 |
| 8 | Expression of results | 6 |
| 8.1 | Method of calculation | 6 |
| 8.2 | Precision | 6 |
| 9 | Test report | 7 |
| Annex A (normative) Procedure for the determination of instrumental criteria | | 8 |
| Annex B (informative) Suggested lines together with possible spectral interferences in the determination of Nb in steel by ICP-AES | | 10 |
| Annex C (informative) Additional information on the international cooperative tests | | 11 |
| Annex D (informative) Graphical representation of precision data | | 13 |