

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