

ISO 22033:2011-09 (E)

Nickel alloys - Determination of niobium - Inductively coupled plasma/atomic emission spectrometric method

Contents	Page
Foreword	iv
1 Scope	1
2 Normative references	1
3 Principle	1
4 Reagents	2
5 Apparatus	3
6 Sampling and sample preparation	3
7 Procedure	4
7.1 Test portion	4
7.2 Preparation of test solution, TNb	4
7.3 Optimization of spectrometer	4
7.4 Predetermination of the test solution	5
7.5 Preparation of calibration solutions for bracketing, KI,Nb and Kh,Nb	5
7.6 Measurement of test solutions	5
8 Expression of results	6
8.1 Method of calculation	6
8.2 Precision	6
8.3 Trueness	6
9 Test report	7
Annex A (normative) Checking the performance of an ICP instrument	8
Annex B (informative) Suggested analytical lines and possible interferences in the determination of niobium by ICP/AES	10
Annex C (informative) Notes on the test programme	11