

ISO 23166:2018 (E)

Nickel alloys — Determination of tantalum — Inductively coupled plasma optical emission spectrometric method

Contents

	Foreword
1	Scope
2	Normative references
3	Terms and definitions
4	Principle
5	Reagents
6	Apparatus
7	Sampling and sample preparation
8	Procedure
8.1	Test portion
8.2	Preparation of test solution, TTA
8.3	Optimization of the spectrometer
8.4	Pre-determination of the test solution
8.5	Preparation of calibration solutions for bracketing, KI,Ta and Kh,Ta
8.6	Measurement of test solutions
9	Expression of results
9.1	Method of calculation
9.2	Precision
9.2.1	Laboratory tests
9.2.2	Wavelength for measurement
9.2.3	Statistical evaluation
9.3	Trueness
10	Test report
Annex A	(normative) Checking the performance of an inductively coupled plasma optical emission spectrometer
A.1	General
A.2	Resolution of a spectrometer
A.3	Evaluating the short- and long-term stability
A.4	Evaluating the background equivalent concentration
Annex B	(informative) Notes on the test programme

Page count: 11