ISO 13933:2014-07 (E)

Steel and iron - Determination of calcium and magnesium - Inductively coupled plasma atomic emission spectrometric method

Contents

Page

Foreword iv

1 Scope 1

2 Normative references 1

3 Principle 1

4 Reagents 1

5 Apparatus 3
5.1 Inductively coupled plasma atomic emission spectrometer 3
5.2 Polytetrafluoroethylene (PTFE) beakers with PTFE cover 4

6 Sampling 5

7 Procedure 5
7.1 Test portion 5
7.2 Blank test 5
7.3 Determination 5
7.4 Adjustment of the apparatus 7
7.5 Measurement of the calibration solutions 7
7.6 Plotting a calibration curve 8
7.7 Measurements of the test solution 8

8 Expression of results 8
8.1 Method of calculation 8
8.2 Precision 8

9 Test report 9

Annex A (normative) Procedure for the determination of instrumental criteria 10

Annex B (informative) Additional information on international cooperative test 12

Annex C (informative) Graphical representation of precision data 14

Bibliography 16