ISO 17992:2013-09 (E)

Iron ores - Determination of arsenic content - Hydride generation atomic absorption spectrometric method

Contents

Page

Foreword iv

1 Scope 1

2 Normative references 1

3 Principle 1

4 Reagents 1

5 Apparatus 3

6 Sampling and samples 4
6.1 Laboratory sample 4
6.2 Preparation of predried test samples 4

7 Procedure 4
7.1 Number of determinations 4
7.2 Test portion 4
7.3 Blank test and check test 4
7.4 Determination 5

8 Expression of results 7
8.1 Calculation of mass fraction of arsenic content 7
8.2 General treatment of results 7
8.3 Oxide factor 10

9 Test report 10

Annex A (normative) Flow sheet of the procedure for the acceptance of analytical values for test sample 13

Annex B (informative) Parameters of some instruments 14

Annex C (informative) Derivation of repeatability and permissible tolerance formulae 16

Annex D (informative) Precision data obtained by international analytical trials 17