ISO 4689-2:2017-03 (E)

Iron ores - Determination of sulfur content - Part 2: Combustion/titration method

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Termsanddefinitions 1

4 Principle 1

5 Reagents 2

6 Apparatus 2

7 Sampling and samples 5
7.1 Laboratory sample 5
7.2 Preparation of predried test samples 5

8 Procedure 5
8.1 Number of determinations 5
8.2 Test portion 5
8.3 Blank test and check test 5
8.4 Determination 6

9 Expression of results 7
9.1 Calculation of sulfur content 7
9.2 General treatment of results 7
9.2.1 Repeatability and permissible tolerance 7
9.2.2 Determination of analytical result 8
9.2.3 Between-laboratories precision 8
9.2.4 Check for trueness 8
9.2.5 Calculation of final result 9

10 Test report 9

Annex A (normative) Flowsheet of the procedure for the acceptance of analytical values for test samples 11

Annex B (informative) Derivation of repeatability and permissible tolerance equations 12

Annex C (informative) Precision data obtained by international analytical trial 13

Bibliography 14