

# ISO 4689-3:2017-03 (E)

## Iron ores - Determination of sulfur content - Part 3: Combustion/infrared method

---

<b>Contents</b>		<b>Page</b>
Foreword .....		iv
Introduction .....		v
1	Scope .....	1
2	Normative references .....	1
3	Terms and definitions .....	1
4	Principle .....	2
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
8.5	Preparation of calibration graph .....	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 .....	7
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