

# ISO 21283:2018-03 (E)

## Iron ores - Determination of specific surface area - Test method using air-permeability apparatus (Blaine)

---

<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	Sampling, sample preparation and preparation of test portions .....	2
5.1	Sampling and sample preparation .....	2
5.2	Preparation of test portions .....	2
6	Apparatus .....	2
6.1	General .....	2
6.2	Specific .....	3
7	Procedure .....	4
7.1	Calibration of apparatus .....	4
7.1.1	General .....	4
7.1.2	Measurement of cell volume .....	4
7.1.3	Determination of the mass of CRM .....	6
7.1.4	Preparation of the compacted bed of CRM .....	6
7.1.5	Determination of the equipment constant, K1 .....	6
7.2	Permeability test with the pellet feed sample .....	8
7.2.1	Mass of the test portion .....	8
7.2.2	Preparation of the bed of the test portion .....	8
7.2.3	Permeability tests .....	8
8	Expression of results .....	9
8.1	Calculation of the Blaine specific area (BSA) .....	9
8.2	Repeatability and acceptance of test results .....	9
9	Test report .....	9
10	Verification .....	10
Annex A (normative) Flowchart of the procedure for the acceptance of test results .....		12