

ISO 21283:2018-03 (E)

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

Contents		Page
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