

DIN EN ISO 10426-1:2010-05 (E)

Petroleum and natural gas industries - Cements and materials for well cementing - Part 1: Specification (ISO 10426-1:2009); English version EN ISO 10426-1:2009

Inhalt	Seite
Foreword	3
Introduction.....	4
1 Scope	5
2 Normative references	5
3 Terms and definitions	5
4 Requirements.....	7
4.1 Specification, chemical and physical requirements.....	7
4.2 Sampling frequency, timing of tests, and equipment.....	11
5 Sampling procedure.....	12
6 Fineness tests.....	12
6.1 Procedure.....	12
6.2 Requirements.....	12
7 Preparation of slurry for free-fluid, compressive strength and thickening-time tests	12
7.1 Apparatus	12
7.2 Procedure.....	14
8 Free-fluid test (formerly free water).....	15
8.1 Apparatus	15
8.2 Calibration.....	20
8.3 Procedure.....	21
8.4 Calculation of percent free fluid	21
8.5 Acceptance requirements	22
9 Compressive strength tests	22
9.1 Apparatus	22
9.2 Procedure.....	23
9.3 Test procedure (after ASTM C109/C109M).....	25
9.4 Compressive strength acceptance criteria.....	25
10 Thickening-time tests.....	26
10.1 Apparatus	26
10.2 Calibration.....	32
10.3 Procedure.....	35
10.4 Thickening time and consistency.....	37
10.5 Specification acceptance requirements.....	37
11 Marking.....	37
12 Packing.....	38
13 Bentonite.....	38
Annex A (informative) Calibration procedures for thermocouples, temperature measuring systems, and controllers	39
Bibliography.....	41