# ISO 13500:2008-11 (E)

## Petroleum and natural gas industries - Drilling fluid materials - Specifications and tests

## Contents

Page


Foreword ..... iv

Introduction ..... v

1 Scope ..... 1

2 Normative references ..... 1

3 Terms, definitions, symbols and abbreviations ..... 1

4 Requirements ..... 4

5 Calibration ..... 4

6 Packaged material ..... 11

7 Barite ..... 13

8 Haematite (hematite) ..... 22

9 Bentonite ..... 30

10 Non-treated bentonite ..... 34
11 OCMA grade bentonite ..... 36
12 Attapulgite ..... 40
13 Sepiolite ..... 43
14 Technical-grade low-viscosity CMC (CMC-LVT) ..... 46
15 Technical-grade high-viscosity CMC (CMC-HVT) ..... 50
16 Starch ..... 55
17 Low-viscosity polyanionic cellulose (PAC-LV) ..... 59
18 High-viscosity polyanionic cellulose (PAC-HV) ..... 66
19 Drilling-grade xanthan gum ..... 71

Annex A (informative) Mineral impurities in barite ..... 83

Annex B (informative) Test precision ..... 84

Annex C (informative) Examples of calculations ..... 89

Bibliography ..... 93