ISO 17225-1:2014-05 (E)

Solid biofuels - Fuel specifications and classes - Part 1: General requirements

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Terms and definitions 2

4 Symbols and abbreviated terms 3

5 Principle 3

6 Classification of origin and sources of solid biofuels 4
6.1 General 4
6.2 Woody biomass 9
6.3 Herbaceous biomass 9
6.4 Fruit biomass 9
6.5 Aquatic biomass 10
6.6 Biomass blends and mixtures 10

7 Specification of solid biofuels based on traded forms and properties 10
7.1 Traded forms of solid biofuels 10
7.2 Specification of properties of solid biofuels 11

Annex A (informative) Illustrations of typical forms of wood fuels 37

Annex B (informative) Typical values of solid biomass fuels 39

Annex C (informative) Examples of possible causes for deviant levels for different properties and of consequences of handling and treatments for the properties of biomass 49

Annex D (informative) Calculation of the net calorific value at different bases and energy density as received 51

Annex E (informative) Comparison of moisture content as received and dry basis 54

Bibliography 56