ISO/TS 17595:2025-06 (E)

Solid biofuels - Characterization of wood chip fuels - Essential information for producers, suppliers and users

Contents

Page

Foreword ... **iv**

Introduction ... **v**

1 Scope ... **1**

2 Normative references ... **1**

3 Terms and definitions ... **1**

4 Quality specifications for wood chips ... **1**
4.1 General ... 1
4.2 Classification of raw material ... 2
4.3 Normative and informative properties of graded wood chips ... 3
4.4 Classification of particle size classes and fines fractions ... 3
4.5 Specifications of graded wood chips in accordance with ISO 17225-4 ... 4
4.6 Typical ranges for key quality properties ... 5
4.7 Principles for assessing the quality of wood chip fuel ... 6
4.8 Procurement approaches ... 7

5 Standards for on-site characterisation of graded wood chips ... **8**
5.1 General ... 8
5.2 Sampling method ... 9
5.3 Sample preparation ... 12
5.4 Bulk density ... 14
5.5 Moisture content ... 17
5.6 Particle size distribution ... 18
5.7 Heavy extraneous materials ... 19

6 Additional standards for characterisation of graded wood chips by external laboratories ... **22**
6.1 General ... 22
6.2 Ash content ... 22
6.3 Calorific value ... 23
6.4 Elemental analysis: C, H, N, S, Cl and ash forming elements ... 24

Annex A (informative) **Calculating the net calorific value based on an empirical formula** ... **25**

Annex B (informative) **Model sampling plan and sampling report** ... **26**

Annex C (informative) **Examples of Data Logging Tables to Record Test Results** ... **27**

Annex D (informative) **Basic information included in an external laboratory test report** ... **29**

Bibliography ... **31**