# INTERNATIONAL STANDARD

ISO 17830

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## Solid biofuels — Particle size distribution of disintegrated pellets

Biocombustibles solides — Détermination de la distribution granulométrique des granulés désintégrés

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#### ISO 17830:2016

#### Foreword

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The committee responsible for this document is ISO/TC 238, Solid biofuels.

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#### Introduction

In power plants with powder fuel burners for energy production, the operators need information about the particle size distribution of the fuel for optimising particle burnout during combustion. Fuel preparation equipment, such as pulverizers, are used for crushing pellets into the original particle sizes before the material was pressed into pellets. The method described in this International Standard is intended to characterize particle size distribution of the material contained within fuel pellets and also allows for a relative comparison of pellets of different manufacturing.

This method is based on experience with pellets made from sawdust, wood shavings and milled wood, as well as straw. The method may also be applicable for pellets produced from other solid biofuel materials provided that they can be dissolved into its constituents in water.

Pellets that are engineered to resist water, e.g. pellets from materials which have undergone some thermal treatments, cannot be characterised by this method.

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