
Bamboo charcoal —
Part 2:
Fuel applications

Charbon de bambou —
Partie 2: Applications pour carburant



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Foreword

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This document is prepared by Technical Committee ISO/TC 296, *Bamboo and Rattan*.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Introduction

Bamboo charcoal, which is a kind of fuel charcoal with a broad market prospect, is an excellent fuel for industrial and domestic use. Bamboo charcoal has a potential to be cleaner and more environment friendly than coal because of its extremely low content of sulphur and nitrogen. Using bamboo charcoal as the substitute of traditional charcoal is a feasible way to protect timber resources. The reliability of quality regulation becomes the key to the development of growing bamboo charcoal industry. Therefore, the International Standard of bamboo charcoal is necessary for the development of international trade and quality requirements of bamboo charcoal products worldwide.

Bamboo charcoal —

Part 2: Fuel applications

1 Scope

This document specifies the requirements and test methods of the raw and moulded bamboo charcoal for fuel applications.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 18122, *Solid biofuels — Determination of ash content*

ISO 18123, *Solid biofuels — Determination of the content of volatile matter*

ISO 18134-3, *Solid biofuels — Determination of moisture content — Oven dry method — Part 3: Moisture in general analysis sample*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <http://www.electropedia.org/>

3.1

bamboo charcoal for fuel

BCFF

bamboo charcoal used to provide calories from combustion

3.2

calorific value

CV

energy amount per unit mass released on complete combustion

3.3

moisture content

MC

water in the fuel removable under specific conditions

3.4

ash content

AC

mass of inorganic residue remaining after combustion of bamboo charcoal under specified conditions, typically expressed as a percentage of the mass of dry matter in fuel