

BUREAU OF INDIAN STANDARDS
DRAFT FOR COMMENTS ONLY
(Not to be reproduced without permission of BIS
or used as an Indian Standard)

Draft Indian Standard
SOLID BIOFUELS — DETERMINATION OF ASH CONTENT
(First Revision of IS 17653)
(ICS 27.190; 75.160.40)

Solid Mineral Fuels and Solid Biofuels
Sectional Committee, PCD 07

Last date for comments:
20 May 2024

NATIONAL FOREWORD

(Formal clauses will be added later)

This standard was originally published in 2021, as adoption of ISO 18122 : 2015 ‘Solid biofuels — Determination of ash content’. This (*first*) revision has been undertaken to align it with the latest version of ISO 18122 : 2022 ‘Solid biofuels — Determination of ash content’.

The major changes in this revision are as follows:

- more detailed descriptions of the ashing furnace and ashing procedure;
- repeatability and reproducibility performance data updated;
- several references updated; and
- minor editorial corrections.

The text of ISO Standard has been approved as suitable for publication as an Indian Standard without deviations. Certain conventions are, however, not identical to those used in Indian Standards. Attention is particularly drawn to the following:

- a) Wherever the words ‘International Standard’ appear referring to this standard, they should be read as ‘Indian Standard’.
- b) Comma (,) has been used as a decimal marker while in Indian Standards, the current practice is to use a point (.) as the decimal marker.

In this adopted standard, reference appears to the following International Standard for which Indian Standard also exists. The corresponding Indian Standard, which are to be substituted in their respective places, are listed below along with the degree of equivalence for the editions indicated:

<i>International Standard</i>	<i>Corresponding Indian Standard</i>	<i>Degree of Equivalence</i>
-------------------------------	--------------------------------------	------------------------------

ISO 14780, Solid biofuels — Sample preparation	PCD 07 (20276) Solid biofuels — Sample preparation (<i>under printing</i>)	Not Equivalent
ISO 16559, Solid biofuels — Vocabulary	PCD 07 (19505) Solid biofuels — Vocabulary (<i>under printing</i>)	Not Equivalent
ISO 18134-3, Solid Biofuels — Determination of moisture content — Part 3: Moisture in general analysis sample	Doc No. (25096) Solid biofuels — Determination of moisture content: Part 3 Moisture in general analysis sample (<i>under revision</i>)	Identical

The Technical Committee has reviewed the provisions of the following International Standards referred in this adopted standard and has decided that they are acceptable for use in conjunction with this standard:

<i>International Standard</i>	<i>Title</i>
ISO 18135	Solid biofuels — Sampling
ISO 21945	Solid biofuels — Simplified sampling method for small scale applications

For tropical countries like India, the standard temperature and the relative humidity shall be taken as (27 ± 2) °C and (65 ± 5) percent, respectively.

In reporting the result of a test or analysis made in accordance with this standard, if the final value, observed or calculated, is to be rounded off, it shall be done in accordance with IS 2 : 2022 ‘Rules for rounding off numerical values (*second revision*)’.

NOTE — The technical content of this document has not been enclosed as this is identical with the ISO Standard. For details, please refer to ISO 18122: 2022 or kindly contact:

Smt. Meenal Passi
Sc – F & Head (PCD)
 Petroleum & Coal related products Department (PCD)
 Bureau of Indian Standards
 9, B.S. Zafar Marg,
 New Delhi-110002
 Email: pcd@bis.gov.in
 Telephone: 011-23235432