

ISO/~~DIS~~FDIS 17829:2025(en)

ISO/TC-238

Secretariat: SIS

Date: 2025-~~04-02~~05-23

Solid ~~biofuels~~Biofuels — Determination of length and diameter of pellets

~~Einführendes Element~~ — ~~Haupt-Element~~ — ~~Ergänzendes Element~~ ~~Élément introductif~~ — ~~Élément central~~ — ~~Élément complémentaire~~

iTeh Standards
(<https://standards.itih.ai>)
Document Preview

ISO/FDIS 17829

<https://standards.itih.ai/catalog/standards/iso/b372def3-9cdb-415d-814f-4f95db286afe/iso-fdis-17829>

Biocombustibles solides — Détermination de la longueur et du diamètre des granulés

FDIS stage

Edited DIS - MUST BE USED FOR FINAL DRAFT

© ISO 2025

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
[E-mail: copyright@iso.org](mailto:copyright@iso.org)
Website: www.iso.org

Published in Switzerland

iTeh Standards (<https://standards.iteh.ai>) Document Preview

[ISO/FDIS 17829](#)

<https://standards.iteh.ai/catalog/standards/iso/b372def3-9cdb-415d-814f-4f95db286afe/iso-fdis-17829>

Contents

Foreword	v
Introduction	vii
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Principle	2
5 Apparatus	2
6 Sample preparation	4
7 Procedure	5
8 Calculations	9
9 Performance characteristics	11
10 Test report	11
Annex A (informative) Devices for the determination of the length of pellets with a diameter of 8 mm or above	13
Annex B (informative) Comparative studies for determination of the pellet length	16
Annex C (informative) Example of a building plan for a measuring block	18
Foreword	v
Introduction	vii
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Principle	2
5 Apparatus	2
6 Sample preparation	4
6.1 General	4
6.2 Determination of pellet diameter	4
6.3 Determination of pellet length and pellet length fractions	4
7 Procedure	4
7.1 Determination of the parameters to be analysed	4
7.2 Determination of the pellet diameter class	5
7.3 Measuring the length of an individual pellet	6
7.3.1 General	6
7.3.2 Option A: Measuring the length of an individual pellet with a measuring block (5.2)	6
7.3.3 Option B: Measuring the length of an individual pellet with a calliper	6
7.4 Determination of the number of pellets above maximum length	6
7.5 Determination of the share of pellets > 40 mm	7
7.6 Determination of the share of pellets of any other specified length, including pellets < 10 mm	7
7.7 Determination of the average length of pellets	7

8	Calculations	8
8.1	Pellet diameter class	8
8.2	Share of a specified fraction of pellets	8
8.2.1	General	8
8.2.2	Share of fractions including coarse pellet fines	8
8.2.3	Share of pellets > 40 mm and other fractions without coarse pellet fines	9
8.3	Average pellet length	9
9	Performance characteristics	9
10	Test report	10
Annex A (informative)	Devices for the determination of the length of pellets with a diameter of 8 mm or above	11
A.1	Measuring equipment	11
A.2	Measuring of the length of pellets with a diameter of 8 mm or more	12
Annex B (informative)	Comparative studies for the determination of the pellet length	13
B.1	Determination of the influence of measuring method and sample size on the average pellet length	13
Annex C		15
C.1	Example of a building plan for a measuring block	15

ITeH Standards
(<https://standards.iteh.ai>)
Document Preview

ISO/FDIS 17829

<https://standards.iteh.ai/catalog/standards/iso/b372def3-9cdb-415d-814f-4f95db286afe/iso-fdis-17829>