ISO/FDIS\_7965-1:2023-(E)

ISO-/TC-122/SC-3<del>/WG-1</del>

Secretariat: BSI

Date: 2023-<del>11-30</del>12-20

Packaging — Drop test — Part 1: Paper sacks

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

ISO/FDIS 7965-1

https://standards.iteh.ai/catalog/standards/iso/0e6e9c69-b28b-47d9-a514-c2b5efbfc22e/iso-fdis-7965-1

#### © ISO 2023

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

Email: copyright@iso.org

Website: www.iso.org

Published in Switzerland

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

ISO/FDIS 7965-1

https://standards.iteh.ai/catalog/standards/iso/0e6e9c69-b28b-47d9-a514-c2b5efbfc22e/iso-fdis-7965-1

© ISO 2023 - All rights reserved

© ISO 2023 - All rights reserved

### Contents

Foreword iv			
1			
2	Normative references		
3	Terms and definitions1		
4	Principle 1		
5	Apparatus1		
5.1 5.2	General 1 Ensuring correct drop height 1		
5.3	Lifting arrangement 1		
5.4	Placing the sack 1		
5.5	Release mechanism 2		
5.6	Impact surface 2		
6	Sampling2	h.	
7	Test conditions 2		
<del>,</del>	General 2		
7.1	Conditioning for testing of paper sacks	V	
7.3	Testing in non-laboratory situations 2		
7.3	•		
8	Procedure2		
8.1	General SU/FUIS /907-1 2		
8.2	Filling 3	4-6	
8.3	Dropping 3	7-0	
8.3.1	-General 3		
8.3.2	Dropping procedure 3		
8.4	Sack breakage 3		
•	3		
9	-Test methods		
9.1	General 4		
9.2	Progressive drop height method		
	- General 4		
	Flat progressive height drop test4		
	Butt drop test4		
9.3	-Constant drop height method5		
9.3.1	General 5		
9.3.2	Flat constant height drop test5		
	Butt constant height drop test		
	O 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ı	
		1	

### ISO/FDIS-7965-1:2023-(E)

<del>10</del> —	Test report	
Anne	x A (informative) Example of apparatus for drop testing	
Anne	x B (informative) Identification of surfaces of filled sacks for testing	L
	graphy	
rorev	vord	
1	Scope	
2	Normative references	L
3	Terms and definitions	L
4	Principle	L .
5	Apparatus	
6	Sampling	
7	Test conditions	
7.1	General	
7.2	Conditioning for testing of paper sacks	
7.3	Testing in non-laboratory situations	
7.4	Surface conditions	
8	Procedure	C
8.1	General TAVII D CONTOCOLI	4.0
8.2	Filling.	
8.3	Dropping	iteh.ai)
8.3.1	General	
8.3.2	Dropping procedure	
8.4	Sack breakage	1ew
9	Test methods	
9.1	General	l.
9.2	Progressive drop height method	i e
9.2.1	General 18071 D18 7705-1	
9.2.2	Flat progressive height drop test	
9.2.3	Butt progressive height drop test.	
9.3	Constant drop height method	j
9.3.1	General	
9.3.2	Flat constant height drop test	
9.3.3	Butt constant height drop test	j
<u>10</u>	Test report	i
Anne	x A (informative) Example of apparatus for drop testing	3
	x B (informative) Identification of surfaces of filled sacks for testing10	
PIDIIC	graphy	

i<del>v</del> © ISO 2023 − All rights reserved

#### **Foreword**

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO document should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see <a href="https://www.iso.org/directives/www.iso.org/directives/">www.iso.org/directives/</a>.

ISO draws attention to the possibility that the implementation of this document may involve the use of (a) patent(s). ISO takes no position concerning the evidence, validity or applicability of any claimed patent rights in respect thereof. As of the date of publication of this document, ISO had not received notice of (a) patent(s) which may be required to implement this document. However, implementers are cautioned that this may not represent the latest information, which may be obtained from the patent database available at <a href="https://www.iso.org/patents.www.iso.org/patents.">www.iso.org/patents.www.iso.org/patents.</a>. ISO shall not be held responsible for identifying any or all such patent rights.

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see <a href="https://www.iso.org/iso/foreword.html">www.iso.org/iso/foreword.html</a>.

This document was prepared by Technical Committee ISO/TC 122, *Packaging*, Subcommittee SC 3, *Performance requirements and tests for means of packaging, packages and unit loads (as required by ISO/TC 122)*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 261, *Packaging*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This second edition cancels and replaces the first edition (ISO 7965-1:1984), which has been technically revised.

The main changes are as follows:

- General editorial changes have been made to the document in line with ISO/IEC Directives Part 2,
- Twotwo additional sub-clauses subclauses have been added to Clause-5 to include information on ensuring correct drop height and placement of the sack, respectively.

© ISO 2023 - All rights reserved

© ISO 2023 - All rights reserved

### ISO/FDIS-7965-1:2023-(E)

- Aa new sub-clause subclause has been added to Clause-7 for information on testing in non-laboratory situations;
- Thethe limit height method has been deleted from Clause-9, keeping only the progressive- and constant drop height methods, respectively;
- Thethe principle of testing for the constant drop method in 9.3 has been changed to exclude the side
  constant height drop test,;
- Annex-C has been deleted and Clause-10 has been added to outline the information that the test report shall include;
- some editorial changes have been made to the document in line with ISO/IEC Directives, Part 2.

A list of all parts in the ISO 7965 series can be found on the ISO website.

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 <a href="https://www.iso.org/members.html">www.iso.org/members.html</a>.

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

ISO/FDIS 7965-1

https://standards.iteh.ai/catalog/standards/iso/0e6e9c69-b28b-47d9-a514-c2b5efbfc22e/iso-fdis-7965-1

vi © ISO 2023 – All rights reserved

© ISO 2023 - All rights reserved