



**ISO 712-1**

**Cereals and cereal products —  
Determination of moisture  
content —**

**Part 1:  
Reference method**

*Céréales et produits céréaliers — Détermination de la teneur  
en eau —*

*Partie 1: Méthode de référence*

**First edition  
2024-09**

This is a preview of ISO 712-1:2024. [Click here to purchase the full version from the ANSI store.](#)



**COPYRIGHT PROTECTED DOCUMENT**

© ISO 2024

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](mailto:copyright@iso.org)  
Website: [www.iso.org](http://www.iso.org)

Published in Switzerland

This is a preview of ISO 712-1:2024. [Click here to purchase the full version from the ANSI store.](#)

<b>Foreword</b> .....	<b>iv</b>
<b>1 Scope</b> .....	<b>1</b>
<b>2 Normative references</b> .....	<b>1</b>
<b>3 Terms and definitions</b> .....	<b>1</b>
<b>4 Principle</b> .....	<b>1</b>
<b>5 Apparatus</b> .....	<b>1</b>
<b>6 Sampling</b> .....	<b>2</b>
<b>7 Preparation of the test sample</b> .....	<b>2</b>
7.1 Products not requiring grinding.....	2
7.2 Products requiring grinding.....	3
7.2.1 General.....	3
7.2.2 Grinding without preconditioning.....	3
7.2.3 Grinding with preconditioning.....	3
<b>8 Procedure</b> .....	<b>4</b>
8.1 Number of determinations.....	4
8.2 Test portion.....	4
8.3 Drying.....	4
8.4 Weighing.....	4
<b>9 Expression of results</b> .....	<b>4</b>
9.1 Without preconditioning.....	4
9.2 With preconditioning.....	5
<b>10 Precision</b> .....	<b>5</b>
10.1 Interlaboratory test.....	5
10.2 Repeatability.....	5
10.3 Reproducibility.....	5
10.4 Comparison of two groups of measurements in one laboratory.....	5
10.5 Comparison of two groups of measurements in two laboratories.....	6
10.6 Uncertainty.....	6
<b>11 Test report</b> .....	<b>6</b>
<b>Annex A (informative) Results of interlaboratory test</b> .....	<b>7</b>
<b>Annex B (informative) Cereals and cereal products — Determination of moisture content</b> <b>Absolute method</b> .....	<b>9</b>
<b>Bibliography</b> .....	<b>16</b>

This is a preview of ISO 712-1:2024. [Click here to purchase the full version from the ANSI store.](#)

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 [www.iso.org/directives](http://www.iso.org/directives)).

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 [www.iso.org/patents](http://www.iso.org/patents). 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 [www.iso.org/iso/foreword.html](http://www.iso.org/iso/foreword.html).

This document was prepared by Technical Committee ISO/TC 34, *Food products*, Subcommittee SC 4, *Cereals and pulses*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 338, *Cereal and cereal products*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This first edition of ISO 712-1 cancels and replaces ISO 712:2009, of which it constitutes a minor revision. The changes are as follows:

- numeration and change in the title to align with the new ISO 712-2.

A list of all parts in the ISO 712 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 [www.iso.org/members.html](http://www.iso.org/members.html).