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| STN | Pšeničná múka a celozrnná pšeničná múka z druhu <i>Triticum aestivum</i> L. Stanovenie reologických vlastností v závislosti od miešania a zvýšenia teploty (ISO 17718: 2013). | STN EN ISO 17718 56 0611 |
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Wholemeal and flour from wheat (*Triticum aestivum* L.) - Determination of rheological behaviour as a function of mixing and temperature increase (ISO 17718:2013)

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 04/15

Obsahuje: EN ISO 17718:2014, ISO 17718:2013

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ICS 67.060

English Version

Wholemeal and flour from wheat (*Triticum aestivum* L.) -
Determination of rheological behaviour as a function of mixing
and temperature increase (ISO 17718:2013)

Farine et mouture complète de blé tendre (*Triticum
aestivum* L.) - Détermination du comportement rhéologique
des pâtes en fonction du pétrissage et de l'augmentation de
la température (ISO 17718:2013)

Weizenvollkorn- und Weizenmehl (*Triticum aestivum* L.) -
Bestimmung der rheologischen Eigenschaften als Funktion
von Kneten und Temperaturanstieg (ISO 17718:2013)

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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Foreword

The text of ISO 17718:2013 has been prepared by Technical Committee ISO/TC 34 "Food products" of the International Organization for Standardization (ISO) and has been taken over as EN ISO 17718:2014 by Technical Committee CEN/TC 338 "Cereal and cereal products" the secretariat of which is held by AFNOR.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by June 2015, and conflicting national standards shall be withdrawn at the latest by June 2015.

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Endorsement notice

The text of ISO 17718:2013 has been approved by CEN as EN ISO 17718:2014 without any modification.

**Wholemeal and flour from
wheat (*Triticum aestivum* L.) —
Determination of rheological
behaviour as a function of mixing and
temperature increase**

*Farine et mouture complète de blé tendre (*Triticum aestivum*
L.) — Détermination du comportement rhéologique en fonction du
pétrissage et de l'augmentation de la température*





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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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

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ISO 17718 was prepared by Technical Committee ISO/TC 34, *Food products*, Subcommittee SC 4, *Cereals and pulses*.

Introduction

The behaviour of dough is dependent on numerous parameters. Some of these parameters, such as water absorption, dough development time, and kneading stability, are linked to the quality and quantity of the proteins, while other parameters, such as gelatinization, gelling stability, and retrogradation, are linked to the properties of the starch.

The Mixolab®¹⁾ measures the torque between two mixing arms during kneading while varying the in-bowl temperature, making it possible to gain in-depth information on samples and thus gain a better understanding of the characteristics of tested wheat or flours.

Wholemeal and flour from wheat (*Triticum aestivum* L.) — Determination of rheological behaviour as a function of mixing and temperature increase

1 Scope

This International Standard specifies the determination of rheological behaviour as a function of mixing and temperature increase. It is applicable to all wholemeal and flour samples from industrial or laboratory milling of wheat (*Triticum aestivum* L.).

NOTE Wheat can be milled in the laboratory according to the methods described in ISO 27971^[5] or in BIPEA guidance document BY.102.D.9302.^[7]

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 712, *Cereals and cereal products — Determination of moisture content — Reference method*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN