

TERAVILJA SÕELAD

Test sieves for cereals (ISO 5223:1995)

EESTI STANDARDI EESSÕNA**NATIONAL FOREWORD**

See Eesti standard EVS-EN ISO 5223:2015 sisaldab Euroopa standardi EN ISO 5223:2015 ingliskeelset teksti.	This Estonian standard EVS-EN ISO 5223:2015 consists of the English text of the European standard EN ISO 5223:2015.
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Introduction

The commercial value of a batch of cereals is affected by the presence of undesirable substances. The amount of these substances in a sample is measured by carrying out various separating processes, of which the principal one is test sieving.

The test sieving procedure is carried out under conditions determined by commercial practice, contracts or official regulations, with low accuracy. Consequently, more often than not, the only dimensions given for test sieves are the diameter or the width of the apertures in the perforated plate. The other features of test sieves are not normally specified, despite their effect on the results.

Therefore, this international Standard describes those test sieves most frequently used in commerce.

Test sieves for cereals

1 Scope

This International Standard specifies requirements for test sieves to be used for the laboratory determination of undesirable substances in a sample of cereals and which pass through test sieves of the following nominal sizes:

a) test sieves with long rounded apertures:

1,00 mm × 20,0 mm
1,70 mm × 20,0 mm
1,80 mm × 20,0 mm
1,90 mm × 20,0 mm
2,00 mm × 20,0 mm
2,20 mm × 20,0 mm
2,50 mm × 20,0 mm
2,80 mm × 20,0 mm
3,55 mm × 20,0 mm

b) test sieves with round apertures:

diameter 4,50 mm

Test sieves with long rounded apertures listed in a) are used in particular for separating "shrivelled" kernels from rye, durum wheat, common wheat and barley, with the exception of those with apertures of diameters 2,50 mm and 2,80 mm, which are usually used for the calibration of malting barley.

Test sieves with round apertures of diameter 4,50 mm are used for separating broken grains from maize.

This International Standard does not apply to test sieves used for testing grain for insect infestation.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 2395:1990, *Test sieves and test sieving — Vocabulary*.

ISO 3310-2:1990, *Test sieves — Technical requirements and testing — Part 2: Test sieves of perforated metal plate*.

3 Definitions

For the purposes of this International Standard, the definitions given in ISO 2395 apply.

4 Requirements

4.1 General

All parts shall be made of metal. A cover and a receiver, made of the same metal and gauge as the sieve frame, shall be used.