

| | | |
|------------|---|--|
| STN | Papier a lepenka Papier a lepenka určené na styk s požívatinami Stanovenie kadmia a olova vo vodnom výluhu | STN EN 12498 50 7010 |
|------------|---|--|

Paper and board - Paper and board intended to come into contact with foodstuffs - Determination of cadmium, chromium and lead in an aqueous extract

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. 04/19

Rozpracovaná aj prekladom.

Obsahuje: EN 12498:2018

Oznámením tejto normy sa ruší
STN EN 12498 (50 7010) z februára 2006

128358

EUROPEAN STANDARD

EN 12498

NORME EUROPÉENNE

EUROPÄISCHE NORM

November 2018

ICS 67.250; 85.060

Supersedes EN 12498:2005

English Version

Paper and board - Paper and board intended to come into contact with foodstuffs - Determination of cadmium, chromium and lead in an aqueous extract

Papier et carton - Papiers et cartons destinés à entrer en contact avec les denrées alimentaires - Détermination du cadmium, du chrome et du plomb dans un extrait aqueux

Papier und Pappe - Papier und Pappe für den Kontakt mit Lebensmitteln - Bestimmung von Cadmium, Chrom und Blei in einem wässrigen Extrakt

This European Standard was approved by CEN on 15 July 2018.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

EN 12498:2018 (E)

| Contents | | Page |
|--------------------------------|--|-------------|
| European foreword | | 3 |
| 1 | Scope | 4 |
| 2 | Normative references | 4 |
| 3 | Principle | 4 |
| 4 | Reagents | 4 |
| 5 | Apparatus | 5 |
| 6 | Preparation of sample | 5 |
| 7 | Procedure | 6 |
| 7.1 | General | 6 |
| 7.2 | Preparation of reference solutions | 6 |
| 7.3 | Determination of cadmium, lead and chromium | 6 |
| 7.3.1 | General | 6 |
| 7.3.2 | Calibration curve | 6 |
| 7.3.3 | Suggested spectrometer settings | 6 |
| 7.3.4 | Determination of blank value | 6 |
| 8 | Expression of results | 6 |
| 9 | Test report | 7 |

European foreword

This document (EN 12498:2018) has been prepared by Technical Committee CEN/TC 172 “Pulp, paper and board”, the secretariat of which is held by DIN.

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 May 2019, and conflicting national standards shall be withdrawn at the latest by May 2019.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 12498:2005.

With regards to EN 12498:2005 the following changes have been made:

- a) Chromium has been added to the scope;
- b) The reagents have been modified;
- c) Editorial updating.

According to the CEN-CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

EN 12498:2018 (E)**1 Scope**

This document is one in a series of Standards for the determination of heavy metals in an aqueous extract of paper or board intended for contact with food. This document specifies the test method for the determination of cadmium, lead and chromium in an aqueous extract.

It is applicable to paper and paperboard with extractable metal contents exceeding

- 0,1 mg per kg for cadmium,
- 0,6 mg per kg for lead,
- 0,25 mg per kg for chromium.

Metal content levels below those given can be measured by this document if very sensitive equipment is available and if all other laboratory conditions fulfil the requirements for trace element analysis.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 645, *Paper and board intended to come into contact with foodstuffs — Preparation of a cold water extract*

EN 647, *Paper and board intended to come into contact with foodstuffs — Preparation of a hot water extract*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN