



SLOVENSKI STANDARD
oSIST prEN 196-19:2026

01-oktober-2026

Metode preskušanja cementa - 19. del: Določanje vpliva alkalij v cementu

Methods of testing cement - Part 19: Determination of the contribution of cement's alkalis

Prüfverfahren für Zement - Teil 19: Bestimmung des Beitrags der Alkalien im Zement

Méthodes d'essais des ciments - Partie 19 : Détermination de la contribution des alcalins du ciment

Ta slovenski standard je istoveten z: prEN 196-19

get full document from standards.iteh.ai

ICS:

91.100.10 Cement. Mavec. Apno. Malta Cement. Gypsum. Lime.
Mortar

oSIST prEN 196-19:2026

en,fr,de

Sample Document

get full document from standards.iteh.ai

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

DRAFT
prEN 196-19

August 2026

ICS 91.100.10

English Version

**Methods of testing cement - Part 19: Determination of the
contribution of cement's alkalis**

Méthodes d'essais des ciments - Partie 19 :
Détermination de la contribution des alcalins du
ciment

Prüfverfahren für Zement - Teil 19: Bestimmung des
Beitrags der Alkalien im Zement

This draft European Standard is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee CEN/TC 51.

If this draft becomes a European Standard, 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.

This draft European Standard was established by CEN 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, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and United Kingdom.

Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

Warning : This document is not a European Standard. It is distributed for review and comments. It is subject to change without notice and shall not be referred to as a European Standard.



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

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

© 2026 CEN All rights of exploitation in any form and by any means reserved
worldwide for CEN national Members.

Ref. No. prEN 196-19:2026 E

Contents

Page

European foreword	3
1 Scope.....	4
2 Normative references.....	4
3 Terms and definitions	4
4 General requirements for testing	4
4.1 Number of tests.....	4
4.2 Repeatability and reproducibility	5
4.3 Expression of masses, volumes, factors and results.....	5
5 Reagents.....	5
5.1 General.....	5
5.2 Apparatus	5
5.2.1 Balance(s), capable of weighing to an accuracy of $\pm 0,0001$ g.	5
5.2.2 Crucibles.....	5
5.2.3 Electric furnaces(s), naturally ventilated and capable of being set at the following temperatures: (1000 ± 25) °C.....	5
5.2.4 Volumetric glassware.....	5
5.2.5 Magnetic Stirrer and stirrer bar, e.g. magnetic stirrer bar, with inert, e.g. PTFE, covered bar.	6
5.2.6 Ashless filter papers	6
5.2.7 Desiccator(s), containing anhydrous magnesium perchlorate ($\text{Mg}(\text{ClO}_4)_2$) or silica gel.....	6
5.3 Preparation of a test sample of cement	6
6 Determination of the active alkali content.....	6
6.1 Principle [1]	6
6.2 Procedure	7
6.2.1 Total alkali content (A_t)	7
6.2.2 Soluble alkali content (A_s).....	7
6.2.3 Insoluble residue content after the acid attack (R_{ins})	7
6.2.4 Calculation of the active alkali content.....	7
6.3 Test report.....	8
6.4 Precision	8
6.4.1 Repeatability	8
6.4.2 Reproducibility.....	8
Bibliography	9

European foreword

This document (prEN 196-19:2026) has been prepared by Technical Committee CEN/TC 51 Cement and building limes”, the secretariat of which is held by NBN.

This document is currently submitted to the CEN Enquiry.

Sample Document

get full document from standards.iteh.ai