

	ETHIOPIAN STANDARDS AGENCY	Cement	
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CERTIFICATION SCHEME FOR CEMENT

1 Scope

This document specifies the scheme for the evaluation of conformity of cements to their corresponding product specification standards, including certification of conformity by a certification body.

The document also provides technical rules for factory production control by the manufacturer, including, sampling, testing of samples and products, tasks of the certification body and other stakeholders. It also provides rules/procedures for actions to be followed in the case of non-conformity, the procedure for the certification of conformity and requirements for dispatching centers.

In ES 1188-2 the word "cement" is used to refer both to common cements as defined in CES 28 and to other cements and binders for which the relevant product specification standard makes reference to ES 1177-2 and which is submitted for certification. Such cement is produced at a given factory and belongs to a particular type and a particular strength class, as defined and specified in the relevant product specification standard.

2 Normative references

The following Ethiopian Standard contains provisions, which, through reference to this text, constitute provisions of this Ethiopian Standards. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this Ethiopian Standards are encouraged to investigate the possibility of applying the most recent editions of the Ethiopian Standards indicated below.

ES 1176 - 1 Methods of testing cement - Part 1: Determination of strength.

ES 1176-7, Methods of testing cement - Part 7: Methods of taking and preparing samples of cement.

ES 1177-1, Cement - Part 1: Composition, specifications and conformity criteria for common cements.

ES ISO 17025, General requirements for the competence of testing and calibration laboratories.

ES ISO/IEC 17065 - Conformity assessment – Requirements for bodies certifying products, processes and services.

ES ISO 2854, Statistical interpretation of data - Techniques of estimation and tests relating to means and variances.

3 Definitions

For the purposes of this scheme, the following definitions shall apply :

3.1 Specific definition

3.1.1 Certified cement

Cement for which a certificate of conformity has been issued by relevant legal body.

4. Specific Requirements



