# TECHNICAL REPORT

# **CEN/TR 10345**

# RAPPORT TECHNIQUE

# TECHNISCHER BERICHT

June 2008

ICS 03.120.30; 17.020

#### **English Version**

# Guideline for statistical data treatment of inter laboratory tests for validation of analytical methods

Guide pour le traitement statistique des données de validation de méthodes d'analyse, issues d'essais interlaboratoire

Richtlinien für statistische Verfahren der Probenahme und Analyse von Eisen, Stahl und anderen Eisenmetallen

This Technical Report was approved by CEN on 22 October 2007. It has been drawn up by the Technical Committee ECISS/TC 20.

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# **Foreword**

No of fers. This document CEN/TR 10345:2008 has been prepared by Technical Committee ECISS/TC 20 "Methods of chemical analysis of ferrous products", the secretariat of which is held by SIS.

### 1 Scope

This document is a guideline to carry out the statistical evaluation of data from an inter laboratory test for method validation.

Its purpose is to detail the methodology of ISO 5725-1, -2 and -3:1994 standards for the treatment of registered data in the conditions used within the ECISS/TC 20 working groups.

NOTE The present document is not a simplification of ISO 5725 standard, which is the only reference document

#### 2 Normative references

The following referenced documents are indispensable for the application 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.

ISO 5725-1:1994, Accuracy (trueness and precision) of measurement methods and results — Part 1: General principles and definitions

ISO 5725-2:1994, Accuracy (trueness and precision) of measurement methods and results — Part 2: Basic method for the determination of repeatability and reproducibility of a standard measurement method

ISO 5725-3:1994, Accuracy (trueness and precision) of measurement methods and results — Part 3: Intermediate measures of the precision of a standard measurement method