TECHNICAL SPECIFICATION

SPÉCIFICATION TECHNIQUE

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CEN/TS 15703-1

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English Version

Copper and copper alloys - Determination of manganese content - Part 1: Spectrophotometric method

Cuivre et alliages de cuivre - Dosage du manganèse - Partie 1: Méthode spectrophotométrique

Kupfer und Kupferlegierungen - Bestimmung des Mangangehaltes - Teil 1: Spektrophotometrisches Verfahren

This Technical Specification (CEN/TS) was approved by CEN on 1 March 2009 for provisional application.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
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Foreword

This document (CEN/TS 15703-1:2009) has been prepared by Technical Committee CEN/TC 133 “Copper and copper alloys”, the secretariat of which is held by DIN.

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This is one of two parts of the standard/technical specification for the determination of manganese content in copper and copper alloys. The other part is:

— prEN 15703-2, *Copper and copper alloys — Determination of manganese content — Part 2: Flame atomic absorption spectrometric method (FAAS)*

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to announce this Technical Specification: Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

1 Scope

This part of this Technical Specification specifies a spectrophotometric method for the determination of the manganese content of copper and copper alloys in the form of castings or unwrought or wrought products.

The method is applicable to products having manganese mass fractions between 0,025 % and 6,25 %.

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 1811-1, *Copper and copper alloys — Selection and preparation of samples for chemical analysis — Part 1: Sampling of cast unwrought products*

ISO 1811-2, *Copper and copper alloys — Selection and preparation of samples for chemical analysis — Part 2: Sampling of wrought products and castings*