BRITISH STANDARD

BS ISO 14595:2003

Microbeam analysis — Electron probe microanalysis — Guidelines for the specification of certified reference materials (CRMs)

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The UK participation in its preparation was entrusted to Technical Committee CII/9, Microbeam analysis, which has the responsibility to:

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— monitor related international and European developments and promulgate them in the UK.

A list of organizations represented on this committee can be obtained on request to its secretary.

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Summary of pages

This document comprises a front cover, an inside front cover, the ISO title page, pages ii to v, a blank page, pages 1 to 16, an inside back cover and a back cover.

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Analyse par microfaisceaux — Microanalyse par sonde à électrons — Lignes directrices pour les spécifications des matériaux de référence certifiés (CRM)

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Foreword

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International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

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ISO 14595 was prepared by Technical Committee ISO/TC 202, *Microbeam analysis*, Subcommittee SC 2, *Electron probe microanalysis*.

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Introduction

For electron probe microanalysis (EPMA), a comparative quantitative analytical method used throughout the world, certified reference materials (CRMs) play a crucial role in the analytical accuracy.

This International Standard has been developed to facilitate international exchange and compatibility of analysis data in electron probe microanalysis (EPMA).

It gives guidance on evaluating and selecting reference materials (RMs), on evaluating the extent of heterogeneity and stability of RMs and it gives recommendations for the determination of the chemical composition of RMs for production as EPMA certified reference materials.

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