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

*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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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.