

# ISO 14595:2003-06 (E)

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

---

<b>Contents</b>		<b>Page</b>
Foreword .....		iv
Introduction .....		v
1	<b>Scope</b> .....	1
2	<b>Normative references</b> .....	1
3	<b>Terms and definitions</b> .....	1
4	<b>Preparation of the research material</b> .....	2
5	<b>Heterogeneity of material</b> .....	2
6	<b>Stability of the research material</b> .....	8
7	<b>Determination of the chemical composition of CRMs</b> .....	9
8	<b>CRM specimen preparation, packaging, transportation and storage</b> .....	9
9	<b>CRM certificate</b> .....	10
	<b>Annex A (informative) Spreadsheet instructions for the statistical evaluation of heterogeneity data</b>	11
	<b>Annex B (normative) Suggested Classification of CRMs for EPMA</b> .....	14
	<b>Annex C (informative) Example of a certificate for EPMA CRMs</b> .....	15
	<b>Bibliography</b> .....	16