

ISO 11938:2012-03 (E)

Microbeam analysis - Electron probe microanalysis - Methods for elemental-mapping analysis using wavelength-dispersive spectroscopy

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Procedure of mapping analysis	2
4.1	General	2
4.2	Specimen preparation	2
4.3	Measurement procedure	3
5	Methods for displaying element maps	6
5.1	General	6
5.2	Raw X-ray intensity method	6
5.3	k-value method	6
5.4	Calibration curve method	6
5.5	Correlation method	7
5.6	Matrix correction method	7
6	Evaluation of uncertainty	7
7	Report	7
Annex A (normative) Comparison of absorption effects for a light element		9
Bibliography		10