ISO 15471:2016-09 (E)

Surface chemical analysis - Auger electron spectroscopy - Description of selected instrumental performance parameters

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Termsanddefinitions 1

4 Symbols and abbreviated terms 1

5 Description of selected instrumental performance parameters 1
5.1 Method of analysis 1
5.2 Samples 2
5.3 System configuration 2
5.4 Electron gun cathode 2
5.4.1 Cathode type 2
5.4.2 Cathode lifetime 2
5.5 Lateral resolution and beam current 2
5.5.1 General 2
5.5.2 Method 1 2
5.5.3 Method 2 3
5.5.4 Method 3 3
5.6 Spectrometer intensity performance and energy resolution 3
5.6.1 General 3
5.6.2 Method 1 3
5.6.3 Method 2 4
5.7 Spectrometer energy scale 4
5.8 Spectrometer intensity linearity 4
5.9 Spectrometer response function 4
5.10 Spectrometer parameters 4
5.10.1 Spectrometer aberration 4
5.10.2 Analytical area 4
5.11 Image drift 4
5.12 Vacuum environment 4

Bibliography 5