

ISO 17973:2024-07 (E)

Surface chemical analysis - Medium-resolution Auger electron spectrometers - Calibration of energy scales for elemental analysis

| Contents | | Page |
|--|--|-------------|
| Foreword | | iv |
| Introduction | | v |
| 1 Scope | | 1 |
| 2 Normative references | | 1 |
| 3 Terms and definitions | | 1 |
| 4 Symbols and abbreviated terms | | 1 |
| 5 Outline of method | | 2 |
| 6 Energy scale calibration procedures | | 3 |
| 6.1 Obtaining reference samples..... | | 3 |
| 6.2 Mounting samples..... | | 3 |
| 6.3 Cleaning samples..... | | 3 |
| 6.4 Choosing spectrometer settings for energy calibration..... | | 5 |
| 6.5 Operating the instrument..... | | 5 |
| 6.6 Measurement of reference peaks..... | | 6 |
| 6.7 Determining measured kinetic energies of reference peaks..... | | 7 |
| 6.8 Determining correction of instrument kinetic energy scale..... | | 8 |
| 6.9 Next calibration..... | | 9 |
| Bibliography | | 11 |