

ISO 23170:2022-06 (E)

Surface chemical analysis - Depth profiling - Non-destructive depth profiling of nanoscale heavy metal oxide thin films on Si substrates with medium energy ion scattering

Contents	Page
Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Principle and recommendations of MEIS analysis	1
5 MEIS analysis	2
6 MEIS spectra simulation	2
7 Reporting MEIS analysis results	5
Annex A (informative) Interlaboratory test report	6
Annex B (informative) List of MEIS spectra simulation program sources and a procedure of MEIS spectra simulation using PowerMeis	19
Annex C (informative) Reliability of the IAEA electronic stopping power data	22
Annex D (informative) Fitting parameters A, B, C, D from the IAEA database	24
Bibliography	29