

ISO 14237:2000-02 (E)

Surface chemical analysis - Secondary-ion mass spectrometry - Determination of boron atomic concentration in silicon using uniformly doped materials

Contents		Page
Foreword		iv
Introduction		v
1 Scope		1
2 Normative reference		1
3 Principle		1
4 Reference materials		1
5 Apparatus		2
6 Specimen		3
7 Procedure		3
8 Expression of results		6
9 Test report		8
Annex A (informative) Determination of carrier density in silicon wafers		9
Annex B (informative) Boron isotope ratio measured by SIMS		12
Annex C (normative) Procedures for evaluation of apparatus performance		15
Annex D (normative) Procedures for the depth profiling of NIST SRM 2137		17
Annex E (informative) Statistical report on interlaboratory test programme		20