

# ISO 13697:2006-05 (E)

## Optics and photonics - Lasers and laser-related equipment - Test methods for specular reflectance and regular transmittance of optical laser components

---

<b>Contents</b>		<b>Page</b>
Foreword .....		iv
Introduction .....		v
1	Scope .....	1
2	Normative references .....	1
3	Terms and definitions .....	1
4	Symbols used and units of measure .....	2
5	Test and calibration principles .....	2
5.1	General .....	2
5.2	Specular reflectance .....	2
5.3	Transmittance .....	3
5.4	Calibration .....	3
6	Preparation of test sample and measuring arrangement .....	7
6.1	General .....	7
6.2	Laser beam preparation .....	8
6.3	Chopper .....	8
6.4	Detector arrangement .....	8
7	Characteristic features of the laser beam .....	9
8	Test procedure .....	9
8.1	Calibration of the chopper mirror .....	9
8.2	Specular reflectance for near-normal incidence .....	10
8.3	Angular dependence of reflectance .....	11
8.4	Transmittance .....	12
9	Evaluation .....	13
9.1	Specular reflectance for near-normal incidence .....	13
9.2	Angular dependence of reflectance .....	13
9.3	Transmittance .....	13
10	Test report .....	14
Bibliography .....		16