

# ISO 19986:2020 (E)

## Lasers and laser-related equipment — Test method for angle resolved scattering

---

### Contents

	Foreword
	Introduction
1	Scope
2	Normative references
3	Terms and definitions
4	Symbols and abbreviated terms
5	Scattering geometry
6	Test method
6.1	Principle
6.2	Measurement arrangement and test equipment
6.2.1	General
6.2.2	Environmental conditions
6.2.3	Radiation source
6.2.4	Beam preparation system
6.2.5	Goniometer
6.2.6	Detection system
6.2.7	Specimen preparation
7	Procedure
7.1	General
7.2	Alignment procedure
7.2.1	General
7.2.2	Alignment of the instrument
7.2.3	Alignment of the specimen
7.3	Calibration
7.3.1	General
7.3.2	Method 1
7.3.3	Method 2
7.4	Measurement procedure
7.4.1	Selection of specimen position
7.4.2	Selection of illumination conditions
7.4.3	Selection of angular scan range
7.4.4	Determination of the ARS
7.5	Uncertainty considerations
8	Measurement protocol