ISO 11979-2:2024-10 (E)

Ophthalmic implants - Intraocular lenses - Part 2: Optical properties and test methods

Contents

Page

Foreword ..... **iv**

Introduction ..... **v**

1 Scope **1**

2 Normative references **1**

3 Terms and definitions **1**

4 Requirements **1**

4.1 General 1

4.2 Dioptric power 2

4.2.1 General 2

4.2.2 Dioptric power for toric IOL (TIOL) 2

4.2.3 Dioptric power for simultaneous vision IOL (SVIOL) 2

4.2.4 Dioptric power for accommodating IOL (AIOL) 3

4.3 Imaging quality 3

4.3.1 General 3

4.3.2 Monofocal IOL 4

4.3.3 Toric IOL (TIOL) 4

4.3.4 Simultaneous vision IOL (SVIOL) 4

4.3.5 Accommodating IOL (AIOL) 4

4.3.6 Combination of optical principles 4

4.3.7 Exceptions 4

4.4 Optical characterization 5

4.5 Spectral transmittance 5

4.5.1 Measurement of spectral transmittance 5

4.5.2 Cut-off wavelength 5

Annex A (normative) **Measurement of dioptric power** **6**

Annex B (normative) **Measurement of MTF** **14**

Annex C (normative) **Optical characterization** **18**

Bibliography **21**