ISO 17327-1:2018-02 (E)

Non-active surgical implants - Implant coating - Part 1: General requirements

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 2

3 Termsanddefinitions 2

4 General Requirements 4
4.1 General description of the coating 4
4.2 Generic coating properties 4
4.2.1 General 4
4.2.2 Chemical composition 5
4.2.3 Phase composition 5
4.2.4 Surface texture 6
4.2.5 Coating coverage integrity 6
4.2.6 Dissolvability 6
4.2.7 Coating thickness 7
4.2.8 Adhesion strength 7
4.2.9 Abrasion resistance 7
4.2.10 Porosity and pore size 8
4.2.11 Surface wettability 8

Annex A (informative) Coating technology examples 9

Annex B (informative) Examples of intended functions of implant coatings 11

Annex C (informative) Standards with information related to coatings 12

Bibliography 14