

ISO 28319:2010-05 (E)

Dentistry - Laser welding

Contents		Page
Foreword		iv
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Requirements	2
4.1	Chemical composition	2
4.2	Biocompatibility	2
4.3	Mechanical strength of laser-welded joint (tensile strength)	2
4.4	Corrosion resistance	3
5	Sampling	3
6	Preparation of specimens	3
6.1	General	3
6.2	Specimens for tensile testing	4
6.3	Specimens for corrosion testing	5
7	Testing	5
7.1	Visual inspection	5
7.2	Chemical composition	5
7.3	Tensile testing	5
7.4	Corrosion testing by static immersion	6
8	Information and instructions	7
9	Marking and labelling	7
9.1	Marking	7
9.2	Labelling	7
10	Test report	8
Annex A (informative) Quality assurance of laser welding		9
Bibliography		13