

ISO 9333:2022-08 (E)

Dentistry - Brazing materials

Contents

	Page
Foreword	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Requirements	2
4.1 Chemical composition	2
4.1.1 Metallic materials to be joined	2
4.1.2 Reported composition	2
4.1.3 Permitted deviation from the reported composition	2
4.1.4 Hazardous elements	2
4.2 Biocompatibility	2
4.3 Mechanical tensile strength of brazed joints	2
4.4 Corrosion resistance	3
4.4.1 Static immersion test	3
4.4.2 Appearance after corrosion exposure	3
4.5 Melting range	3
5 Sampling	3
6 Preparation of specimens	3
6.1 General	3
6.1.1 Test specimen	3
6.1.2 Casting	3
6.1.3 Other methods	4
6.1.4 Treatment of specimens	4
6.2 Specimens for corrosion testing	4
6.2.1 General	4
6.2.2 Procedure	4
6.3 Specimens for tensile testing	4
6.3.1 General	4
6.3.2 Procedure	4
6.3.3 Additional testing	5
7 Measurement and test methods	6
7.1 Visual inspection	6
7.1.1 Specimens	6
7.1.2 Instruction for use, packaging and labelling	6
7.2 Chemical composition	6
7.3 Tensile testing	6
7.3.1 Apparatus	6
7.3.2 Test procedure	6
7.3.3 Evaluation of the tensile test results	7
7.4 Corrosion resistance	7
7.4.1 General	7
7.4.2 Analysis	7
7.4.3 Microscopic inspection	7
7.4.4 Corrosion test report	7
7.5 Melting range	8

8	Test report	8
9	Instruction for use	8
10	Marking and labelling	9
10.1	Marking	9
10.2	Labelling	9
10.3	Packaging	9
	Bibliography.....	10