DIN EN ISO 24234:2015-08 (E)

Dentistry - Dental amalgam (ISO 24234:2015)

Contents

Page

Foreword 3

Introduction 4

1 Scope 5

2 Normative references 5

3 Termsanddefinitions 6

4 Requirements 6
4.1 Chemical composition and purity of the dental amalgam alloy 6
4.2 Foreign material and large particles in the dental amalgam alloy powder 7
4.3 Accuracy and variability of pre-proportioned masses 7
4.4 Properties of the dental amalgam 8
4.5 Appearance of the mixed dental amalgam before setting 8

5 Sampling 8

6 Test methods 9
6.1 Chemical composition and purity of the dental amalgam alloy 9
6.2 Foreign material and large particles in the dental amalgam alloy powder 9
6.3 Determination of the accuracy and variability of pre-proportioned masses 9
6.4 Preparation of test-pieces to determine compliance with the requirements for creep, dimensional change during hardening, and compressive strength 11
6.5 Determination of creep 16
6.6 Determination of dimensional change during hardening 16
6.7 Determination of compressive strength 17
6.8 Appearance of the mixed dental amalgam before setting 18

7 Marking, labelling, and packaging 19
7.1 Packaging 19
7.2 Marking 19
7.3 Manufacturer's instructions 21

Bibliography 23