

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	Terms and definitions	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